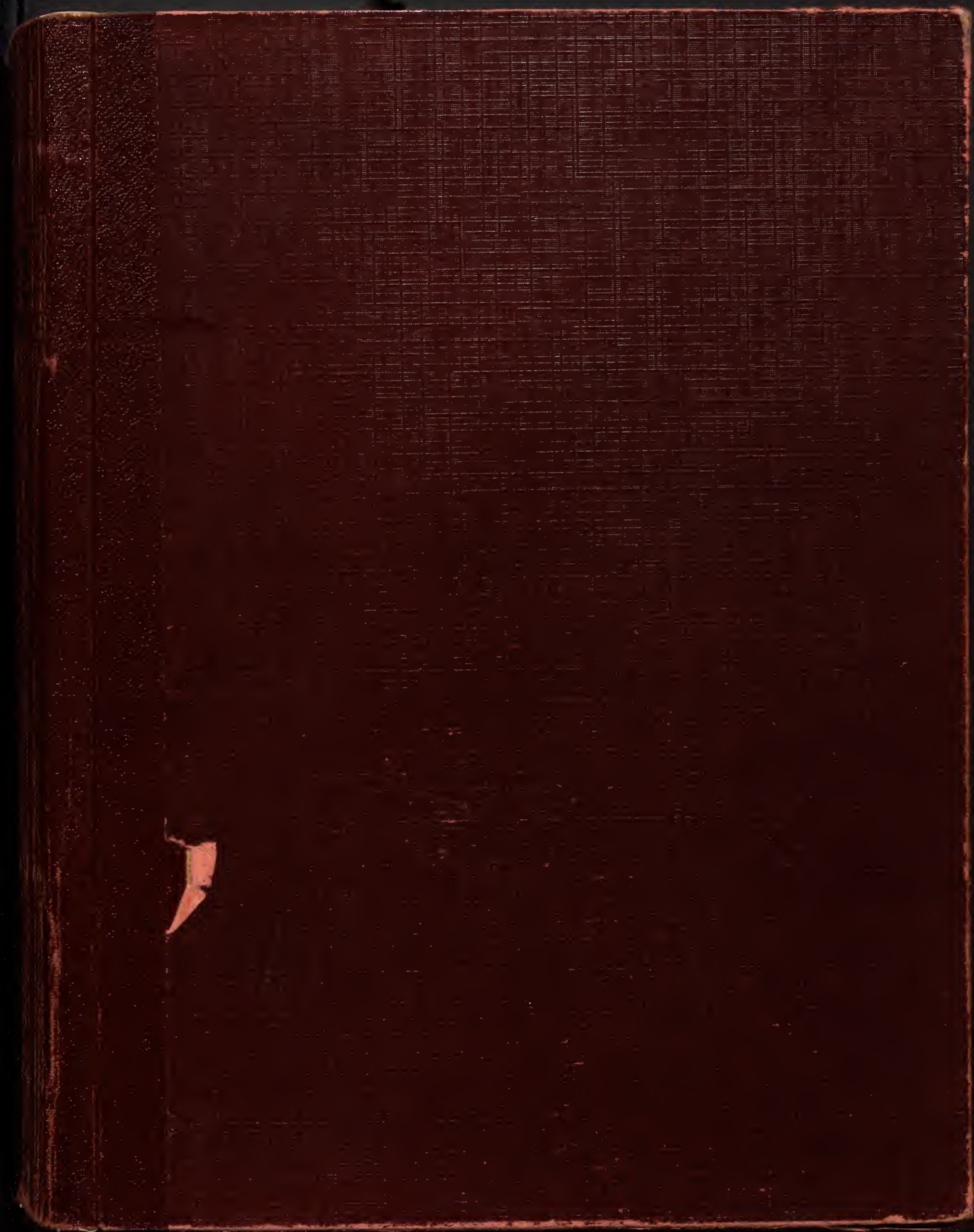


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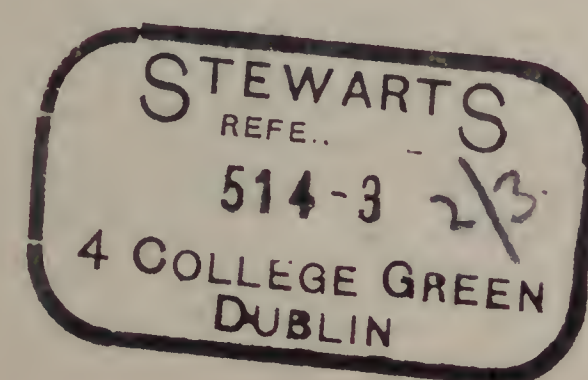
VOL. 13.

DIARY

OF
EXCURSIONS, CAPTURE OF INSECTS, &c.,
(CHIEFLY HYMENOPTERA)

Mostly made by A.W. STELFOX

FROM 16th Sept. 1942
till 22nd Sept. 1943.



16th Sept. 1942. A fine, but windy day, warmer after a couple of colder, clear sunny & windy days; wind SW. but NW-N the previous days. Insects very plentiful in shelter.

Went to Slade of Saggart, but owing to strong wind against me did not arrive till 4 PM. Swept in the area on all sides of glen for 2 hours, as follows:-

- 1 = under trees on old road & including lower part of glade higher up road; & by stream further up.
- 2 = under trees higher up glen on left of river bank alongside road from Saggart mill.
- 3 = under oaks (mainly) where old road joins Saggart road, including swampy place at head of glade & other flat under trees between the water, lower down, to first field on Saggart road.

Slade of Saggart, Co. DU.

Taken at 1. (25 specimens & the labelled 10 specimens)

[The predators were mostly *Myrmica ruginodis* & *Formica ruginodis*]

Stenobothrus? & *Stenobothrus* 2 & several ♀

Phaenocarpa 12

Chrysomelids 10 & including 1 small *Chrysomelid* as with small *Chrysomelids* 11

Polybia 1 ♀.

16.9.42, cont. Slade of Saggart, DU., cont.
Taken at 1, cont.

Mesoleius 2 both kept.

Gyrinus 1 ♂ kept.

Stenomacrus ventralis 5 ♀ on stalk.

Camptoplegid 1 ♂.

Phaenocarpa 1 ♂, 1 ♀ both kept, both with 20-25 eggs.

Oxygaster obscurator 1 ♀, very green, place & date for the 1st ant. 24. seg.

Therion concolor *infernus* 1 ♀, ant. 23, ant. reddish at base.

Blacus ruficornis 1 ♂, ant. 21.

Opius ruscarius 1 ♂, 1 ♀ [only *Opius* taken here!]

Tetraneura rufinotata 1 ♀, red abdomen, ant. 32, very fine specimen!

Aspilota 10 but none mounted!

Dacnusa spp. common, especially *abjectula* Nixon

D. abjectula, *cyathophaga*, *labialis* 1 ♂, *apicalis*, *areolaris* 1 ♂

pubescens (small 28), *longicauda* 1 ♂, [affinis?]

all examined.

Jan 1943
off 7

16.9.42, cont. Slade of Saggart, DU., cont.
Taken at 1, cont.

D. melanocoma 3^v 1 ♂, ant. 28.

D. affinis 1 ♂, ant. 26. *Gyrinus* *Stenomacrus* 1 ♂, 1 ♀, ant. 23 & 22.

Cochlinus 2 ♂♂, ant. 20 & 20, the former very small specimen

= *C. ruficornis*

Aphidius 2 ♂♂, ant. kept.

Ephedrus lucorum 1 ♂.

Prasus ruficornis? 1 ♀.

Pteron very common, but only five kept.

Cynipid 1 (mounted) =

23rd Sept. 1942. a fine day with a few heavy showers, with a low, still falling glass, after a very bad week and of rain & rain. Took bus to Sallyboden & walked to Rookhock & then through fields E. of river to sand pit at foot of road from Glendole, Co. DU. In sand pit found nest of *Myiarcha caerulea* & brought home a few chicks & some worms. Did not otherwise collect. Then walked up nearly to bridge in "Pine Forest" & back to bus at Rathfarnham.

27th Sept. 1942. a beautiful day, nearly all sunny till 4 p.m., but with very strong E. wind, sufficient to raise white foam on upper lake in Glendole, after much hot weather, which suddenly ended in a frosty night on night of 25th 26th & a clear cold sunny day on 26th. Hail & melted snow fell on 25th in Dublin & snow on hillsides on same day (fide Mr. Moore!).

Rode on bikes to head of upper reservoir, in Glenasmole, Co. DU, arriving there at noon. then walked up to about 900 ft. on Slade Brook

27. 9. 42, cont. Glenasmole, Co. DU., cont. & left lunch. After lunch tried to collect along river up to head of gorge, ca. 1200 ft., but river very high here & collecting nearly impossible (a1), later, 3.30 till 4.30, swept flat at head of upper reservoir, where caught a lot of insects in spite of strong wind blowing right down the river (a2). Left there about 4.45 & reached home 5.20.

Taken at 1, i.e. 900 to 1200 ft. Slade Brook. [20 minutes down, & then walked 15.15 to 1.45 p.m.]

<i>Stenochneumon</i>	♂, ant. 34
<i>Ichneumon</i>	♂, ant. 35, length 2.8 mm, yellow.
<i>I. walkeri</i>	2♀♀, red scutellum, ♂, ant. 32 & 34.
<i>Cryptus roschei</i> var. 2	♂ & ♀, ant. 30 & 31, the latter with long antennae.
<i>C. roschei</i> 4 = <i>Cryptus</i>	♂, ant. 30, yellow scutellum.
<i>Microgaster</i>	♀, ant. 30
<i>H.</i>	♀, ant. 30.
<i>Pimpla erythrogaster</i> 1 ♀, ♂, <i>P. hirsuta</i> 1 ♀	
<i>Orthocentrus</i>	2 ♂♂, 1 ant. 27, ant. 27.
<i>Stenochneumon ventralis</i> common, ♂♂ & ♀♀.	
<i>Platygaster</i> 2 = <i>Platygaster</i>	♀, ant. 30 & 31.
+ <i>Platygaster</i>	♀, ant. 30.
<i>Arctostictus</i> 1 ♂, 1 ♀ =	♀, ant. 30.

27. 9. 42 (1) cont. Slade Brook, Co DU. cont.
Apanteles fulvipes ♀.

Dacnusa longipes? 2♀♀, others seen.

D. affinis? var. with long legs & minute black spots on ant. ♂.

Proctos 2 ♂♂ & 1♀ = *Exochus longipes* ♂ & ♀.

Hampton

27. 9. 42 (2) Flat at head of Affle. stream
 Glensmole, Co DU. [16 small flies & 1 wasp
 labelled 15. 10. 1942
 on my 6th birthday! A.V.]

Atractodes tarsatorius? ♂.

Other hymen. 2, 3, only one mounted = *Microplitis* ♂. ant. 19.

Pimpla ruficornis? ♂, ant. 19.

Colpomeria quadripunctata ♀, 25 seg. ant.

Dacnusa areolaris 2♀♀.

Homocidus pectoratorius 1, 16 seg. ant.

H. ruficornis ♂.

Microplitis? 2♂♂.

30♂♂, one mounted, ant. 25.

Microplitis

♂, ant. 29.

27. 9. 42 (2) cont. Glensmole, DU, cont.

Microplitis ruficornis ♂, ant. 28.

Microplitis var. of type 182♀♀, ant. 28, 28 & 29 - 1 mounted.

Opius ruficornis ♂.

Dacnusa areolaris ♀.

D. areolaris ♀, ant. 27.

D. areolaris? 2♀♀.

D. areolaris 2♂♂, but ant. only 28 & 29.

D. areolaris (♂?), ant. 28, but ant. not nearly so long as ♀, ant. 28.

Chorebus conjugens 2♂♂, 1♀.

Chorebus conjugens ♀.

Chorebus conjugens ♂.

Proctos 7: 2 mounted = *Exochus longipes* ♂ & ♀.

6th Oct 1942. A lovely sunny day.

Saw a single *Bombus agrorum* on the
 lavender bush in back garden, & also one
 a few days earlier, at 14 Glenville Rd. DU.

Glennasmole, Co. DU.

Under trees near boundary fence for 100 yards
S. of hut = 2.

Taken at 1. [27 mounted: one above]

Myrica setirostris var.

12.

7.10.48, cont. Glenasmole, DU, cont.

Taken at 1, cont:

Stenocranus ventralis: 27.5 x 16.5 frequency.

Perostypus recticinctus ♀

Completed 4 =

Colastes braconius 1 ♀

Heliconia peltata L.

Cubadogon extensor ♀

allow contracts or

Phaenocarpa conspurcator ♀

7.10.42, cont. Glenasmole, DU., cont.
Taken at 1, cont.

Dacnusa areolaris & *laevipennis* ♀♀, common

D. postica ♀, ant. 28.

D. areolaris, ♀, ant. 28, pale legs!

D. areolaris? a large ♂, possibly the ♂ of the species? ant. 28.

D. affinis ♂, ant. 22.

Aphidius 1 ♂, dark legs, not kept.

Proctos abundant: 9 kept, including

Exochus longicornis? ♂.

Cynipids 4.

Chalcids common.

var. var.

7.10.42, cont. Glenasmole, DU.

Taken at 2. [24 mounted from 2 & 4 collected 17.12.1944.]

Phygadeuonids 5, including *Phygadeuon* ♂, ant. 22.

Phygadeuon ♀, ant. 25. (or mounted, ant. 22.)

Barichneumon *torvus* Trunk (or *affinis*) ♀, ant. 28, pale legs, not kept.

Stenomacrus *ventralis* ♀♀. Sp. of 20. ant. 22.

Diaparsus *nutrator*, large ♀, ant. 30.

Proctos 2 ♀♀ = *Phaenocarpa* ♀, ant. 20.

+ *Eulophus* ♀, ant. 19.

Rhyssalus *trinit* ♂, dark ♀, dark legs, ant. 26, very pale legs!

Metacoelus *fulvipes* ♀. *Episus* *complanatus* ♂, ant. 22, pale legs, not kept.

Blacus *superciliaris* ♂, pale legs, not kept.

Aspilota 8 (3 mounted & 5 not) - *A. trinit* ♂, ant. 22, pale legs, not kept.

A. areolaris ♀, ant. 22, pale legs, not kept.

A. areolaris? a very small ♂, ant. 20, pale legs, not kept.

O. areolaris small ♀, ant. 22, pale legs, not kept.

Dacnusa *abditus* ♂, very fine, ant. 22.

D. areolaris 2 ♀♀ only.

Proctos. very common 6 kept.

11th October 1942. A very fine day after
two very stormy days with showers; nearly all
sunny after a cold night with moderate W. wind.
Rode (alone) to Rye Water at Leicestershire, Co. KD
& after an hour went on along canal to
plantation W. of Louisa Bridge. Collected at
five places, as follows:—

- 1 = Slope from road to Rye Water, NE of Louisa Br.
- 2 = W. edge of 3rd field W. of Louisa Br. between
canal & Maynott road.
- 3 = Edge of canal at plantation, 1/2 mile W.
of Louisa Br.
- 4 = Inside wall of plantation
- 5 = Shaken out of *Polygala* (dry dead!) at
foot of old poplar tree at 4.

Taken at 1 or near there (Rye Water, KD.) [mounted & then
labelled 12.12.42]

Bombus agrorum a few faded ♀♀ & ♂♂.

Vespa vulgaris a few ♀♀.

Cryptine 3 (2 ♂♂, 1 ♀) and 24,22,24 = *Stenobothrus* ♂♂

Spilargus ruficornis ♀ } *Spilargus* ♂♂
(seen to fly into shade in net) } ant. 22

11.10.42, cont. Royal Canal, W. of Louisa Bridge, Co. KD.
Taken at 2. [Only 2 mounted & then labelled 12.12.42]

Promethes sulcator ♀

Helictes ♂

Altica contracta ♀.

Aphidius ♂♂, ant. 17.

Proctos of various small ♂♂ & ♀♀.

Chalcids

Cynipids

Taken at 3. [now mounted]

Pimpla brevicornis ♀

Cynipid

Taken at 4. [25 specimens mounted & then labelled 19.12.1944]

Pemphredon laticornis, 4 ♂♂, large ♀, none of which

fresh, on trunk of old poplar

Pygmaeus ruficornis (?) 1 ♂, small

Epilachna pygmaea ♀

Vespa ♂

Vespa ♀ of *Arctocremna percellens* Hal., ant. 21.

11.10.42, cont. Royal Canal, KD, cont.

Taken at 4, cont.

Cryptinids 11, including *Stilpnus*, ant. 22 =

Phygadeuon ♂, ant. 23. *Phygadeuon* ♀, ant. 23.

Stilpnus ♀, ant. 22. H. ♀, ant. 23.

H. ♀, ant. 23.

Theridion ♂, ant. 22.

Orthocentrus ♂.

Camptoplyid ant. 22.

Mesochorus ♀, ant. 25, large.

H. ♀, ant. 22, small.

Plectiscus ♀, ant. 19.

Apanteles ♀, ant. 22, large body.

Metacoelus filator ♀.

Blacus ruficornis 1 very small ♀.

Aspilota umbicornis m. very small ♀, ant. 20.

Dacnusa areolaris 1 ♀.

D. confinis Puller. ♀, ant. 23.

D. cyclops 1 ♀, ant. 25.

Proctos common, 5 mounted.

Imagines 1.

Beetle "Coccinella" 1 ♀, ant. 22.

11.10.42, cont. Royal Canal, Co. KD, cont.

Taken at 4, cont.

Chalcids common.

Cryptinids: common.

Coleoptera: 1 ♂ taken for O'Shannon.

Taken at 5, by beating old bits of *Rhyssalus* (over waterproof cape) from which J. O'Shannon had previously got many species of Coleoptera during Aug & Sept. this year, including:

[one *Chalcids* & 2 *Cryptinids* alone mounted & then labelled 10.10.42]

Chalcids ♀, very small.

Cryptinids 2.

NB List of Coleoptera taken here subsequently published in E.M.M. 1942 or 43(?) by E.O'Shannon.

GLENMALUR TRIP: OCT. 1942.

15th Oct 1942 Called for by hotel car about 7.30 PM
 & arrived Glenmalur Hotel, Drumgoff, Co Wicklow,
 about 10 PM. after Miss Jackson had made several
 calls en route for supplies.

16th Oct 1942. A fine day but very strong
 W. wind down the valley & misty rain at times
 blowing in the wind.

In forenoon walked up Ballybrack & climbed to
 hill w. of highest farm, looking down on top
 of the Glendalough plantation. Many Red
 Grouse seen. Saw two Bantam Buns in distance.

In afternoon, before & after afternoon tea
 collected a few insects in glen just above
 Coolahinge Bridge, behind hotel. Here took,
 either by sweeping or beating, or saw, the following:-
 Bombyx litera 1 fresh ♀, - 1 pupa, by path
 up forestry plantation at 4 PM.

Myrica caerulea 1 ♂ & 1 ♀

M. myrica 1 ♂ & 1 ♀

Myrica fusca 1 ♂ & 1 ♀

Myrica vulgaris 1 taken off wing.

16. 10. 42, cont. Ballybrack R., Drumgoff, Co. WI.
 (14 mounted & these collected 21. 10. 1942)

Ichneumon latialis 1 ♀

Ichneumon pectorator 1 ♀

Ichneumon pectorator 1 ♀, ant. 22

Pezomachus 3 ♀♀ & 2 ♂♂.

Hemiteles 1 ♀, ant. 21, small pointed spine

Chalcid 1 ♂, 1 ♀ (2 ♂♂) 1 ♂ only, mounted =

Stenomacrus ventralis 3 ♀♀.

St. pectorator 1 ♂ & 1 ♀, ant. 27-28

St. pectorator 1 ♂, black face, look nice, ant. 27.

Proctos 9 includes 3 ♂♂ of *Perilissus* 4 mounted =

Chalcid 1 ♀

Ichneumon 1 =

Ichneumon

Bracon 1 ♂, ant. 28
Hemiteles 1 ♂, ant. 28
Ichneumon 1 ♂, ant. 28
Ichneumon 1 ♂, ant. 28

17th Oct 1942 A dull humid day, very mild, with strong SW. wind & misty rain for most of afternoon.

In forenoon walked up glen, 2 1/2 miles, to beyond the old mine & back for lunch & etc. collect.

In afternoon went down right bank of river to glen at foot of Drumgoff Brook, only to find that since I was here last (in May 1940) the forestry dept. had taken over & planted the whole area as far as the Ballycor estate boundary. collected some insects along Loughmash road below barrow & many in glen during the struggle but ground vegetation too wet to sweep. many taken with much off leaves of oak, etc.

Glen at foot of Drumgoff Brook
on S. side of Glenmalur, Co. WI. 3.30-4.30 PM
[23 insects mounted & then labelled 21.12.1944]

Cryptinids 1st, 2 ♂♂ with 22, 20 (21-seg. ant.)

= Hemiteles sp.? ♂, ant. 22, dark legs.

Hemiteles pictus ♀, ant. 21.

Phygadeuon ♀, ant. 20, 22-seg. ant. (4-seg.)

17.10.42, aft., cont. Drumgoff Brook, WI, cont.
Pimpla ruficornis 1 pair ♀ & male, ant. 22.

O. thuraxina fuscicornis ♀? on mounted, ant. 22.

O. nodulipes? ♀? on mounted, ant. 22 - 20-seg. ant. 21+20

O. sp. ♂ & ♀ of one of the above (but it is not clear!)

O. ruficornis? ♀, ant. 22, smallish! O. ruficornis? ♂, ant. 22

Stenomacrus ruficornis ♂, ant. 22, smallish, 1

one pair taken in cop., but separated & in 2nd.

St. laticornis 2 ♂♂.

St. submarginatus ♂ & ♀ with black head & 1 ♂

Apanteles ♀, ant. 20.

Colletes braconius 2 ♂♂.

Colletes braconius ♂ & ♀, small, with only 10 seg. antennae.

Aspilota quinquicornis ♂ & ♀ small ♀, ant. 17.

Proctos. common in : 3 mounted, including

Cryptoserphus laticornis? & small ♂

Chalcids 1

Cynipids none mounted.

Hemiptera 2

18th Oct 1942. A fine day after a misty morning, very mild, almost hot, sunny, with quite S.W. breeze at intervals. In forenoon walked up Lough Road to col at 1300 ft. then south along ridge to the Carriglinn, 1496 ft. & down to hotel. Saw a field of *Bombus lucorum* in best flower of *Erica carnea* at ca. 1300 ft. on N. side of Carriglinn. Caught an ichneumonid at about 1250 ft. I kept seeing a pair of *Myrica pyramidalis* on summit of Carriglinn & saw *Sedum anglicum* in flower on various outcrops of rock to summit. By roadside at hotel saw a ♀ *Helictes rubicundus* & a ♀ *H. albipes* on flower of Ragwort (*Senecio jacobina*) at 1200 ft. At 5 P.M. saw several ♂♂ of *Chamae fuliginosa* at foot of the oak tree in glen behind hotel, as well as *Fumica fusca*, *Myrica repens* & *M. scutellata* or *scutellata*. Many red *Chamae flava* seen on S.W. slope of Carriglinn on way down in forenoon.

18.10.42, cont. Drove off district, etc., cont. 5 or 6 ♂♂ of *Blacus fuliginosa* taken in bathroom of hotel at 6 P.M. *Coleoptera*. *Ephodius punctatellus* flying all over hill. Small globular, very hairy species swept on summit. Many *Psithyrus* heard on way down & one large specimen seen on way up summit. Also in forenoon took a ♂ *Chamae* flying on hillsides on way down Carriglinn.

19th Oct 1942. A most perfect day, all sunny with S.W. warm breeze, so warm that it felt quite uncanny for October. Got left in car to Barrow, then walked up the true "North Pass" on to Lugmaculla & home via "Claghmore" ^{of Ord. Map = Kilgobbin Gt. rd.} & Carriglinn zigzag path. Looked, but failed to find *Psithyrus* computer at N.E. corner of the hill-top moorland just above the ford of Barrow, where I took it about 1925. Next went up to cliffs S. of the outlet

19.10.42, cont. Lugnaquilla, WI, cont.
 of Art's Lough, where saw the usual
 show of *Saxifraga umbrosa* & *S. hibernica*
 but nothing new. Had lunch at foot
 of small cliff 1/4 mile above head of waterfall
 & then walked up the S. & the series of small
 cliffs to the ridge joining Bloghernaugh
 & Lug. & on to summit. On way up
 saw plenty of *Vaccinium vitis-idaea* at
 about 2,500 & *Salix herbacea* in cracks
 of one rocky scarp. View from top not
 very extensive except toward Wexford,
 where The Fourte Hills quite clear & a
 small "hillcock" to right of same & beyond
 may have been the Great Salter. Great
 bank of cloud lay over the channel
 much lower than we were but the hills
 large extended all round horizon above
 us. Left summit at 3 P.M. & came
 down summit of Bloghernaugh, i.e. the
 Bloghernaugh N of Kelly's Lough, on the
 East or SE slope of which is the plant
 under which I found *Empetrum* & *Calluna*
 (called "Killytown" by the natives!)

19.10.42, cont. Lugnaquilla, WI, cont.
 with a few scraps of *Vaccinium vitis-idaea* scattered through it.

During the day we saw four Bumble Bees
 as follows:-

Bombus lucorum a pair & seen by Daisy at
 the "Kettle-hole" at Baranore.

B. jonellus a pair seen at *Erica cinerea*
 flowers at same place; also two other
 Bumble seen further up & on way down
 Bloghernaugh, probably same species, most
 probably *B. lucorum*.

B. agrorum A wonderfully fresh & torpid
 ♀ picked up on road by Daisy close
 to Dunnyoff at 6.30 P.M., which we put
 in Beyer's flower.

On way up Lug at about 2,500 feet Daisy
 saw a butterfly which she thought about
 size of Small Tortoiseshell but which she
 could not identify for certain.
 Collected 5 or 6 beetles under stones of cairn
 (Percy's Table!) on summit of Lug & found
 a freshly dead *Carabus calceolatus* at

19.10.42, cont. *Lugna callia*, Wl., cont.
Sax. umbrosa cliff at 1700 ft alt.

Also took on small spider at cave on summit, but did not collect any animals except the coleoptera.

Grass, some *Phragmites* are present: *Phragmites* which I think was *Golden Plover* in winter plumage, very white underneath & some *Red* and *Blue*.

20th Oct 1942. A fine day, but fresh & colder than 19th. Wind was W. After clouds otherwise all sunny after 12 noon, but misty rain at 9 AM. Left all grass & in open drifts, so that sweeping only possible under trees.

Set some insects & walked a mile down valley before lunch, but did not collect ^{Sax. *Vesperugo* *equi*} at ^{at *Drum* *Brook*} ^{& *Bombus* *terrestris*}

In afternoon went to Drum Brook & after showing Miss Shackleton (of Cork) where the flying fern, *Hym. pallidus*, grows, collected till nearly 6 P.M.

Sax. *Hypnum* *cladon* in mossy pool E. of the brook

20.10.42, cont.

1 = Drum Brook (glens at foot of Wl.)

2 = Roadside on way home between 1 & the old barracks.

Insects taken at 1: Drum Brook.

[25 insects mounted from 1 & others labelled 24.12.1944.]

Cryptids - 7, including:

<i>Pezomachus</i>	♀, ant. 19.	♂	♀, ant. 20.
<i>Hemiteles</i>	2 ♀♀, ant. 18, 19.	♀, ant. 20, 21.	♀, ant. 21.
<i>Microgaster nigroscutellatus</i>	♀, ant. 22.		

Orthocentrus protuberans ♀, ant. 21.

Stenomacrus ventralis ♂♂ & ♀♀ abundant

D. subulatum ♂ 100

St. subulatum ♀, ant. 21. ♂, ant. 22. ♂ of *subulatum* ♂, ant. 20.

St. curvicauda ♀

Euclyptus decoratus 1 ♂, ant. 21. 1 ♀, ant. 22.

20.10.42, cont. Dringoff Brook, W.I., cont.

Taken at 1, cont.

Plectiscus 7, including

Leptocryptus *hirsutus* 2, ant. 33+35.

Apanteles 4, ant. 30.

Pimpla spp. 10, ant. 22, 23, 24, ant. 19+20.

Colastes *brunneus* 9♂, 1♀, 1♂, 1♀.

Dacnusa *pubescens* 1♀, ant. 25.

Proctos 11 (6 mounted).

Cynipids

Chalcids

Taken at 2. *Stenomacrus* *monticola* at left

Platylabus *doloratus* ♂, ant. 34.

Pimpla 1 = *fulvipes*

2, 1♀, 1♂

} 1♂
1♀

21st, 22nd, 23rd Oct. All three wet, almost continuous rain, with strong SW wind & rain on 21st & 22nd, 23rd calm in morning, with strong SW wind, midday, clear & fine, but SW wind & rain again in afternoon. All forms of collecting quite impossible.

24th Oct 1942. A fine breezy day, mainly sunny with strong cold SW gale, but unlike the previous days, but equally warm for October.

In forenoon walked my usual route to Greenan & home for lunch. In afternoon walked up to 500 feet river 1/2 mile, above Carrington Brook & went up zigzag path to main road on (N. side of valley) to see my new pit site. There, but found it too deep in water & a small stream flows out, so returned to afternoon tea at 5 P.M. So ended the day!

31

The forenoon walked up Amphicarpus road & then across Brangoff Brook on the ridge S of Tananivirin (1400 ft.), then along ridge to summit of same & back to hotel at 1.30 for lunch. Nothing of interest seen, beyond lots of Eupatorium nigrum on ridge, in way of plants. Along S.E. slope of ridge plenty of Crataegus cinerea still in bloom & very hot in sun here, so that we saw no less than 24 specimens of Bombus lucorum, all of which were ♂♂ with the possible exception of one ♀ seen near the ♀.

Also saw 2 butterflies, one of which being
now close & said was a Pieris beyond
doubt.

In afternoon went back to Dringoff Brook & collected for an hour & a half. Found very little in birch & oak, etc. (=) but at foot of glen on flat under shelter belt of oak (Ballinacor estate.) insects quite common.

26.10.42, cont. Drungoff Brook, Co. WI., cont.
 1. E side of 2nd glen at Drungoff Brook.
 2. flat under oak, a little hill, E. of
 Drungoff Brook (Ballinacra estate).

Taken at 1. [14 from 1 mounted & then labelled 26.10.42]

Eurytomids 3 including *Pezomachus* 1 ♂, 2 ♀
Hemiteles 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀
Stenomacrus ventralis 1 ♂, 1 ♀
St. subcapitatus 2 ♂, 2 ♀, both with 20-seg antennae
St. ... 1 ♂, 1 ♀, ant. 25+26.
Apanteles 1 ♂, ant. 20.
Helictes 1 ♂, ant. 20.
Microctonus 1 ♂, ant. 30.
Chalcid ... 1 ♂
Praon 1 ♂, ant. 20-seg.

Eurytomid 2
Chalcid 1

26/10/42, cont. Drungoff Brook, Co. WI., cont.
 Taken at 2. [19 mounted from 2 & then labelled 27.10.1942!]

Hypomacrus gastromaculatus 1 ♂, legs mainly red, ant. 27.
Eurytomids 5, including *Pezomachus* 1 ♂, 1 ♀,
Pezomachus 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀
Hemiteles 1 ♂, ant. 20.
Stenomacrus 1 ♂, ant. 15.
St. subcapitatus 2 ♂, ant. 25+26. *St. ...* 1 ♂, ant. 25+26.
Diaparsis 1 ♂, ant. 26, 27+27.
Chalcid 1 ♂, ant. 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Perilissus 1 ♂, ant. 20.
Phaenocarpa 1 ♂, ant. 20-seg, but only 20-seg, legs
Dacnusa 1 ♂, ant. 23. *Dacnusa* 1 ♂, ant. 23.
Praon 2

Chalcid 1

Eurytomid 1

after a clear frost night
27th Oct. 1942. A period of 1 day of clear glass with
at bottom a cold wind from the north
evening. Scarcely any wind & light rain all day
except when the wind changed to the south.

Got left in car for the foot of Barrow & valley
of cliffs to Arts Lough. There had been a
flood, then some heavy rain. Black rocks
& boulders on the cliffs on N. side of Barrow
S.E. & above Arts Lough. Here an occasional
clump of Sax. yellow, & black on top of
the gully, the only plant of interest. Then
along steep on E. slope of hills (probably *Calluna*)
above top of great growth of moss, on which
much Sax. yellow, several clumps of *Salix*
terrestris & one lonely patch of *Vaccinium*
Vitis. There the last two plants on E. side of
the tor, which might well refer further west,
as it has never been recorded. The plant is the
main blacker offer abundant cover.
Slightly further across the tor to the hills
in. All the high ground is covered with
the patches of mossy heath, which fell at
dusk on evening of 26th, as the steep

21.10.42, cont. Arts Lough, S.E., W.L. cont.
ground & cliffs decidedly slipping in places.
Then down top of steep to barrow, still path
& 20 hms at 4.40 P.M.

Collected some moss on lower cliffs & some
above Arts Lough & round about, also some taken on
stones (rocks) at edge of lake, where there is a
growth of moss, *Lichen*, & quite comparable
to that on rocks by the sea. A two-foot zone
of brilliant green moss, apparently *March*
the lower & upper limits of low & flood level
& on the date the level of the water was just
at base of this green belt, with all over it
the whole; above this green zone *Lichen* were
to have crowded out the mosses on the larger
rocks projecting from the water & could refer
to study by some lichenologist, if a dead one.

Hypnum phyllanthum *peltatum* in great abundance
on all cliffs, boulders, etc. on the steep ground
everywhere.

The large water boat man seen in Arts Lough.
One *Bombus* (no doubt *B. lucorum* & probably *terrestris*) seen
on mossy grass on left Barrow at 10.30
p.m.

28th Oct 1942 Another almost perfect day
but with breeze & some clouds from S-SE
instead of sun, after a hard white
frost at night. In forenoon swept off
Sexts Fir plantation in N.W. angle of main
road at Drungoff (21) & in afternoon
swept for 1 1/2 hrs in oak scrub hill
of Ballinacor estate, just E. of Drungoff
Brook (same as on 26th (2) but greater
area eastwards along timber strip).
Many insects at cliff, Bracken, but
mostly only found where they were
covered but kept fresh off grass.

Taken at 1, Fir plantation, Drungoff, W.I. 12.30-1.30 [28 insects mounted from 1st sweep, collected 28.10.42]

Cratichneumon areolaris 1 ♀, ant. 22.

Pezomachus rufus 3 ♀

Stenomacrus ventralis 2 ♀

St. calidus 1 ♀, ant. 23.

St. larivus 2 ♀, ant. 26 & 27.

Dyspeleia praeagator 1 ♀, ant. 32, by late date.

Apanteles fulvipes? ♀

Meloboris micropterus: 5 ♂, ant. 25, 26, 26, 27 & 27.

28.10.42, cont. (1) cont. Fir plantation, Drungoff, W.I. cont.

Macrometopus 4 ♂, 3 ♀ = *M. infirmus*

antennae 31, 32, 35, 36, 43, 44, 32, 37 & 35.

Leiopterus lituratus 1 ♀, ant. 31.

Proctos. abundant, but few species. 8 mounted -

None included

Chalcids numerous: kept 1 only.

[*A. bymipus*]

Colletes. Several & large polished groups, ♂.

28 10 42, afternoon 3 till 4 30 P.M.
 Taken at 2, oak shelter belt ^{Bellinacor, E. of Broomy Brook, W.}

Epilachna 2♀♀ <sup>[25 specimens from 2 months
 1 the collected 27.10.1942]</sup>
Cryptinae 11, including -
Stilpnus 2♀♀

Pezomachus 5♀♀, spp. <sup>(4 mounted)
 out all 19.</sup>

Hamitula spp. 3♀♀: ant. 20, 20, 22.
 = *H. politus* ♀, ant. 20.

Microgaster ? ♂ + ♀: 10 mm. 22, ant. 22.

Pimpla "examinator" ♂ 10♂, ant. 28
Orthocentrus cf. *repens* ♂, ant. 29.
Orthocentrus *protuberans* 1♂, ant. 29.
Stenomacrus cf. *lineator* ♂, ant. 25.
St. lineator ♂ 4♀♀: ant. 24.
Phaenocarpa 3♀♀ = *H. pictus* 9, ant. 19.
Phaenocarpa ♀, ant. 19.
P. ♀, ant. 20.

^{Bellinacor, E. of}
 28 10 42, aft. cont. Oak. belt, Broomy Brook, cont.
 Taken at 2, cont. (Bellinacor)

Proctos. 11 only & not same spp. for the most
 part as from Fir Wood (see p. 38 ante): 10 mounted

Braconids: only two taken & kept.
Phygadeuon 2 1♀ very dark, ant. 27.
Dacnusa *longiradicis* 1♀, ant. 24.

Chalcid 1.
Eulophus 3 from grass, 15

Harmonia ?

29th Oct 1942. Left Broomy at 11.15 AM. to hotel
 car & got home shortly after 1 PM.

END OF GLENMALURE TRIP: Oct. 1942.

30th Oct 1942.

Received from Rev R M. Dunlop, Abby,
a strong larva of *Calopteryx* surrounded
by dirty white *Apanteles* cocoons, &
some naked larvae, not pupae. They
scattered around but rather than with
are *Apanteles* or belong to a higher genus
I can't say. However, a larva that one
of the latter with a few more flies, but we
must wait a few days to see if
the *Calopteryx* larva is at some place
or to get the strong *Calopteryx* larva
some years ago, but the cocoons indicate
that these are not the same species as
the *Stictaria* parasite, whose cocoons are
a rich golden-brown colour & whose flies are
to have been described by G. D. S. Williams
as *Cal. stictariae*. The specimens of the
latter are now in the hands of J. F. Davis,
Bee Bee Club, London, who is finding
Williamson's work. [At my request some of these *Apanteles*

& cocoons returned by Mission in Nov 1942. A.W.S.]

Nov. 1942 Mainly dry & sunny, with occasional
frosts, nights, mist clouds, but little rain; glass
reaching 40° F high & staying there for a long time. The
weather gradually getting warmer & settling down to
a spell of quite dry, rather chilly weather, with thick
cloud cover that shut out the sun but
entirely. In spite of this type of weather wasps
continued very active (*Vespa vulgaris*) & 2 ♀ were
seen at my house on every possible occasion
up till & including 23rd; none seen, however,
in Glenasmole on 25th, but there is not a locality
in that I have seen late wasps & so the
observation signifies nothing. About the middle
of the month Hugh D. Bach-Barnard, who is living at
The Terrace on Ballymore, sent me 3 ♂♂
V. vulgaris & said they were taken while flying very
freely there - about Irish time there was considerable
sun during some days. *Polistes* were seen
out - a couple of nests - at Templeogue
bridge on 22/11/42. Though singing & some
thousands of small "finches" in field & scrub etc
but stop at *Prokermatocera* on 25th, but light
so that it was impossible to see just what
they were, though many were Chaffinches.

25th Nov. 1942. A dull dry day with a
 breath of wind similar to usual ground
 breeze; temperature was 30 for some time &
 no frost at night & no rain during day
 for several hours. A day with a
 frosty night but left conditions in the open
 dropping, but here & there under the snow
 just possible. Went by 1.45 bus to Old Bury
 & walked up to upper dam in Glencree,
 where swept under trees on north bank of
 Dodder between footbridge & foot & under
 Cortonada bridge at W. end of upper dam
 & a further place on way back to Moore's house.
 In these places took in all 15 hymenoptera,
 but only *Cynipids* common.

Glencree, Co. Dub. (19 mounted & then
 labelled 30.12.1944)

Pezomachus fasciatus ♀
 P ♀
Stenomacrus ventralis 1 ♂ 1 ♀ both mated.
St. curvicaudatus ♀, ant. 26. NB. formally taken in early
Orthocentrus picticornis 1 ♂
 at 30.

25.11.42, cont. Glencree, Co. Dub.

Phaenocarpa ♀, ant. 12.
Proctos ♀ ant. 20.
Proctos 3 = *Psallomyia* 3 ♀♀.

Chalcid 1 =
 large, pale, black, very common, of which a few specimens
 placed in alcohol in bank.

Psallomyia *maculipes*

29th Nov. 1942. A fine, but very dull day, cool
 with N. breeze, glass falling since 25th visit.
 In afternoon walked from Rathfarnham to Fingham,
 across Dodder to Ballynash, then home via
 Wellington House. By the Saddle near
 Wellington House saw several swarms (18 mites)
 at ivy.

6th Dec. 1942. The mildest day for some time, with S.W. wind, strengthening in day, accompanied by rain, cloudy but some gleams of sun in aft.
Walked via. Kinnage aron to Withington House, & then by Ten plague Bridge & Butterfield Lane to Rathfarnham where I was 2.30 till 4.30 P.M.
On my bloom at Withington H. saw many wasps - at least 30 counted!; a few also on way by the Boddle & also a few between the Children's Home & Ten plague bridge. All seemed to be ♀♀ & all *Vespa vulgaris*.

13th Dec. 1942. A day of full gale from SW after a hot wet & stormy day on 10th, but fine on 11th & 12th. In aft. walked from Rathfarnham to Withington House via Butterfield Lane & Ten plague bridge. On way at Withington House saw plenty of wasps as on 6th.

16th Dec. 1942. Very fine in middle of day, with clear sky & hot sun, after a terrific deluge with S.E. gale early in morning, 5 till 8 P.M.
In afternoon walked via Orville Bridge & the

16/12/42 cont.

Narrow Valley to Rathfarnham. In lane just E. of the Narrow Valley is a nest of *Vespa vulgaris* (seen about mid. water earlier) in full view of the water, just below the entrance, as if it was August. The nest seemed very well built, & I looked & watched the place for some time, but found nothing. I was in position for some time, but the nest was not entered. I saw a few wasps, but none were near the nest. I saw a few wasps, but none were near the nest. I saw a few wasps, but none were near the nest.

Went to some other holes just above the green near the soil in back garden, but no sign of the wasps, and I did not find any. I saw a few wasps, but none were near the nest.

17th Dec. 1942. A very mild day with much sun & warm sun. Went by 9 a.m. train to Droghda & by car to Trenching at Dorell & New Grange with Prof. P.D.S. Macalister, H.G. Leach & G.T. Mitchell. Spent some time in both tunnels & found many

17-12-42, cont. South & Newgrange, (O ME, cont.)
 details concerning dates of discovery & repairs
 made in both sites that came over to me.

At 1 pm saw many wasps (no doubt
Vespa vulgaris ♀♀) at ivy blossom on wall
 N. of Newgrange tunnel, accompanied by
 hundreds of Honey Bees (*Apis mellifera*)
 which were carrying away great loads of
 pollen - no doubt in addition to nectar.

The bees were working in a frenzied manner
 as if they realised that this was a 'pet
 day' indeed. Had I had the opportunity
 I have no doubt many other hymenoptera could
 have been discovered in suitable places.

Ret. by 2.45 train on Drogheda.

20th Dec. 1942. Strong W. wind, but not cold.
 Walked from Rathfriland to Wallington House
 (via Templeogue Bridge) & home.
 Saw plenty wasps at ivy blossom & better near
 stables at Wallington House.

20th - 26th Dec. 1942.

Weather not so dry as last, with some quite hot
 sun & little wind. Christmas morning opened
 with a thick damp blanket of mist, after a good
 deal of rain in previous week, which was

described by Daisy & George as "the thick fog
 that came over us in 1941". Mist cleared
 at noon & brilliant sunshine till 4.15
 when it became dull.

After listening to the
 King's broadcast (2.30 pm) took bus to Rathfriland
 & on to two previous Sundays, walked to Wallington
 House & home via Kinnegad; by the time we had got

to Wallington House, quite dull & cooler & I saw
 no wasps at ivy - now nearly out of blossom, but
 Daisy quite sure she saw one pop over wall.

Before I can sleep. Then evening, Daisy at
 Rathfriland. George spotted three bumblebees on
 stones in stream below bridge at golf club
 - another field here, one of which very lovely.

On 26th George & Daisy went round by the house
 walls & saw wasps at ivy at Landscape, but none
 at site of nest near the house walls, where Daisy thought

on 16th Daisy thought somebody had probably destroyed
 the nest. I was on duty in museum!

49.

27th - 31st Dec. 1942.

Mild weather with much wind & rain continued from Nov. to end of year, during which period I had no opportunity to look for wasps but none seen or reported after the 26th (see p. 48).

On 28th Oct 1942 Rev. K. W. Dunlop sent me a dead caterpillar of *Calatrinia* from which about 15 *Apanteles* larvae had emerged & upon buff cocoons: from these larvae on 10th April 1943 emerged 7 *Apanteles* specimens all ♂♂, the remainder did not hatch out.

1943.

50.

1st to 12th January 1943.

Mild weather with much rain & several sharp depressions (storms) occurred during the period with a couple of cold days & snow in the hills on 4th & 5th, then milder than ever & some sun. Several nice sunny days! First *Crocus* seen out on 10th in garden in Glenside Rd. / No. 20, & on first Snowdrop ready to open on 12th.

Scirpus apiculatus showing flower spikes but not high on 10th. On 6th walked round by the Narrow Walls to Rathfriland but saw no wasps & on 10th by William's House & The House & home via Butterfield Lane & Rathfriland but saw none either.

12th to 31st January 1943.

Weather continues mainly mild with a cold spell about 15th. On 17th *Daphne Laureola* at Ballinacorney had just begun to open. On the day took Whitehead bus in afternoon & walked to Larch Hill, then went all over the very extensive & now largely mixed woods at the side of Killybegs, just at Larch Hill gate. Many & large

Jan. 1943, cont.

discovered this sandpit several years ago, but I had not seen it before. On Wed. 20th took bus to Fox House, crossed R. Dodder, walked back to Rathfarnham via Templeogue Bridge & Booterstown Lane & then home by The Narrows Delta & Ormeau Bridge: no sign of Coltsfoot near Templeogue Br., but several bushes & two old flowers on Larrea Islandine by stream just W. of The Narrows Delta. *Sax. apiculata* - front garden, at border, with a few flowers open on this date, 20th. On the afternoon about entirely hot sun after temperate sun earlier in day & again at night. 21st a lovely day, all sunny, very mild & really hot sun - such a day in April or May would be a blessing!

27th Jan. 1943. On flowers on Coltsfoot near Templeogue Br. Two yellow crocuses out in front garden & several flowers open on *Sax. apiculata* by path to front gate. Leaf spikes on *Learea stricta* along water house wall well up & buds on *Salix cinerea* in back garden quite swollen & silencing. Early plant of *Aspidistra* Heath ready but no flowers yet open.

3rd February 1943. A clear cold sunny day, the third in succession, with strong glass & strong W. wind.

Went, with John S. Barber, by bus to Marley estate south of Rathfarnham, with which I have been given permission to "go there or thereabouts" but had not previously met the principle owner Mr. Love, walked pretty well all over estate & saw some very likely ground for collecting in various parts. *Colandrinia* in flower & about 5 to 10 *Mallard* & some *Jays* seen, but nothing otherwise of interest, though small birds very abundant - mostly Chaffinches.

4th Feb. 1943. Sawdon. *Sax. oppositifolia* - the plants I collected myself & which are growing in Ellen's side of back garden with half a dozen flowers quite out though not open at 5.30 P.M. I feel sure they were open when sun was on bed earlier in day. Also one bud showing colour on *Benedictine* plant on other side of garden, but none on either *Snowden* or *Benedictine* plants in front garden. *Salix* are normally out first. *Daffodils* in back garden with buds on six inch stalks. French *Salix* catkins had almost open & Alder & catkins already open & Daisy says they were open at least a day previously.

5th Feb 1943. Female *Salix caprea* in back garden undoubtedly open & there's signs today mild & mild, with some rain all day!

9th Feb. Still mild, but much wind (W) & most rain during. Can't see down north at night. In afternoon walked to Orrell Bridge & home via Dodder, Palmerston Park & Kinnaird Square. Everything out in most places, also the Almond trees in Highfield Road, an elm along the Dodder, the Lilacs & Hawthorn buds just green & bursting in several places. Everything just a month ahead of last year & no wonder!

10th Feb 43. Purple broom by path to back gate, which had bud well up yesterday, today in flower, though not actually open in wind & no sun.

12th Feb 43. Still milder with fog from W. all night of 11th & 12th & well into afternoon of 13th with heavy rain & snow, but much hot sun in forenoon & midday, so that at 5.30 PM quite a few *Malus* varieties out of hibernation & active in back garden - here one Daffodil & Snowdrops & *Primula* *Sec. off.* - back border now in flower.

On 14th Feb. the first flower opened on the wild Pink Primrose near the water house & on 15th the first flower on *Primula* *Sec. off.* - front garden & much as yet plant of same in back garden.

On 17th Feb. took 2.30 bus to Old Bawn & walked up Glencree to upper dam & a little way up east side of upper lake. There several willows with a few flowers (or) open, in sloe by road below the lower dam. Took a or out Castle, *Malus* *prostrata* on Fort Bridge over Dodder at Boleenabreena & saw one branch of primrose on bluff below R.C. Chapel, there nearly all the scrub has been cut for fuel by the cottagers around - much also cut along sides of Glencree & by Dublin Corporation in the water works itself & now, since glades destroyed temporarily by branches thrown about here & there.

On 18th - a beautiful sunny day - many hives bees at the *Salix cinerea* in back garden.

On 20th the first flower of *Chionodoxa* actually opened in bed along dining room wall & at N. end of same. This day at 9 AM. an extraordinarily cold with mist rain & hail & a great number of slugs, *Malus* *prostrata*, *Prunella* & *Arion hortensis* seen crawling on the grass in back garden.

20th Feb 1943. Entirely dull, but dry, with wind (N.W.) from the previous day. Took bus in aft. (2.15) to Rathfarnham & walked via Rathfarnham, Lyons House & Prospect to Fir House, then across fields to home via Dillingham House. Many flowers out in large back near Prospect, including *Colubina*, *Coronilla*, & *Viola Reichenbachiana*.

22nd Feb 1943. A most perfect day, all sunny, after a dull early morning, till 4 P.M., when dull for a couple of hours & then clear & a perfect evening; only the gentlest breeze but cool & mostly breeze all day. O'Mahony reported that Mr. Nesbit of Blontarf saw a bumble bee in his garden on 19th. On my return home at 5.20, saw quite dull a ♀ *Bombus* flew off the ♀ *Salix cinerea* in back garden & after circling several times high over garden flew across Ellin & away: at no time could I see its colour, but it was probably *lucorum* judging by its hum. At 1 P.M. said *Salix* was crowded with bees. In afternoon Daisy saw a butterfly (from bus!) - Cyprian Way, which she thought a Peacock rather than a Small Tortoiseshell.

At least five flowers in *Chionodoxa* in front garden on this date & *Coronilla cotoneaster* back with many flowers in back garden.

23rd Feb 1943 (Tuesday!). A fine day, but not as good as 22nd, very mild but dull in morning, but afternoon quite spoiled by strong, chilly, E.W. wind with small rain which just covered rain & threw shadows on place where we were. Took 2.10 bus to Marlay bridge & walked along edge of golf links to east end of lake, round same & back to road past Marlay House, then back to bus at Rathfarnham at 5.15, by which time brilliant sun. Swept in a few places along N.E. corner of golf links, & plantations near lake: took 2 *Proctos*, 1 *Cynipid* & five beetles, & follows. [collected 31.12.1942!]

Proctos 3 -

Cynipid 1 -

Beetles: - *Tachyporus pusillus*, *Agathidium*,
Agathidium sp. (near *pumilio*?), *Longhorn* beetle
& *Aphodius* - *punctatus* (very small of them)
(named by E. O'Mahony!)

Saw many *Primulas*, *luteolens*, *collifolia*, *Viola Reichenbachiana* & one plant of *Vicia sepium* in flower, on way back to Rathfarnham saw one Horse Chestnut tree well in leaf at top of branches in "The Park".

on 24th Feb. after several heavy showers
most of last flowers opened out!

26th Feb 1943. After a slight snow frost a beautiful forenoon so that I took a half-day off & rode to Glenasmole arriving at 3 P.M. As usual sun shined & I passed through Fox House, although not a cloud in sky at 1 P.M. & blue sky over Glenasmole remained all afternoon. No trace of snow however, as long as I stayed in the glen, but a 2 minute blizzard on my back just as I left! Left bicycle at lodge below lower dam & went across river & along track through plantation on E side of lower reservoir & visited the bee-banks on 2nd & 3rd mounds, now much trampled by sheep (& Hares?), returning to cycle via upper dam & road on W side of reservoir. Saw no sign that any bees had been out & no willows seen out on E side of reservoir. Great destruction of scrub going on owing to shortage of fuel in Dublin & everything from 3" - 4" diam. & upwards being ruthlessly destroyed & the lower branches thrown down in heaps everywhere. Hope to see a great judgment on the criminals, as birds will be driven from the glen owing to lack of shelter. Such wanton destruction must surely be followed by some punishment, as only a

Red & grey on several levels of ...

at end of 23, stand in ditch out of path just beyond ...

Hemiteles

small part of that is destroyed is being made use of & then, I believe, sold in Dublin & not for the use of the natives of the glen, who all have good turf to burn. Many Primrose out in scrub & *Viola Panchikowiana*. Very few "willow grass" on bright opposite moor almost destroyed, all the larger trees felled & the place hardly recognizable. Visited the banks of Flowering Currant by river below footbridge below upper dam but no sign of Humble Bees at the though all over flowers. Saw quite a few cocoons of *Trichogramma* on trunks of birch trees just below upper dam & most of them the year (or last?) when passing point of Moore's house almost none. I heard a Humble Bee, but could not locate it, possibly at a *Berberis* of which several were in flower round estate. Very few in several places, with large black centres to eggs, showing it must have been laid some weeks.

26/2/43. Saw *Aspidoptera* from Glenasmole in back garden with many flowers ready, but not open. ^{open} First Mediterranean Heath flowers probably for some time but difficult to be sure when they are "open".

open 14/2/43

2nd March 1943. A dull day, with occasional strong wind from W., very mild. In afternoon we rode on bikes to Knockmarron & up Liffey valley to Luan & home via Colindale. Many willows - full flower along river bank. Saw nothing of interest in insect line & made no attempt to collect.

In ditch beside the "cascades" at Lutterworth gate saw several plants of a large leaved sedge which looked exactly *Carex stygia*, formerly abundant by same stream further inside the demesne. Saw a small bird on willow catkins at Knockmarron - a fully lit & bluish-chaff, but could not see colour properly & it did not sing: the only other bird I could think it could have been was a Goldcrest but it was too big & wrong shape for this I feel sure.

6th March 1943. A most perfect day, after slight frost on previous night, all sunny & calm till 5th with no appreciable wind. Saturday! Left home at 1 P.M. & after lunch we rode to Glencree & spent the afternoon in the country on east side of Liffey reservoir in very hot sun.

6.3.43, cont. Glencree, D.V., cont.

Bombus lucorum 1 ♀ seen searching in 2nd comb; another in 2nd comb by its size & shape I think *B. jonellus* but not certain, 7 or 8 more heard by either Daisy or myself but not recognised.

Andrena clarkella ♂ or ♀ on bank by road, ^{this} ~~seen~~ damaged by flood of 1931 below lower dam & lodge, ♀♀ in 2nd comb, ~~was very common~~! & several more seen, 1 ♀ still flying at 5 P.M.

A. apicata 2 ♀♀ in 2nd comb & probably over in both this & 3rd comb but none actually caught & examined.

Halictus rubicundus 2 ♀♀ ^{-craggy pollen!} at flower of collifoot by road below lower dam with *A. clarkella*.

H. freygessneri several ♀♀ seen & one captured in 2nd comb, at bee-bank. [5 collected 31.12.1942!]

For all the above except *B. lucorum* this is my earliest date & the working ♀♀ must have been out for some days. Only a few willows really out but many nearly so.

6.3.43. At 1.30 P.M. 6 Small Tortoiseshell butterflies seen on *Androsace* flowers in front garden of 10 Clareville Rd., Dublin. And first sighting of *Salix* between lake & motor house yellow with pollen.

7th March 1943. A windless day, but almost sunless!
 After a damp foggy forenoon, the sun broke through about
 1.30 P.M. but did not last - a high cloud drift
 from E & misty fog blowing off the plain from
 NW continued to cover up and blue holes in
 appeared in the upper clouds. In afternoon
 rode to Blanchetham, up canal to ^{Ballymore Park, Wick} ~~Blanchetham~~
 & back to Blanchetham by road. Swept for some
 time at back gate of dairy to ride up canal, where
 took a few beetles & 2 or 3 Aphididae, there being
 the only hymenoptera seen.

= *Monocentrus curvatus* ♂, ant. 16.

Ephestia cf. *arabum* ♀, ant. 16.

On way back by road to Blanchetham saw one bank of
 Blackthorn in flower. Also saw Marsh Marigolds
 (*Caltha palustris*) in flower by drain parallel
 to canal on way up same & some flower spikes
 on Butterbur (*Petasites vulgaris*) with stamens
 just showing.

9th March 1943 (Monday). Another fine day, with much
 sun, some cloud & some N breeze. On leave for
 a few days. In afternoon went by bus to
 Botanic Garden, Glasnevin, & spent a couple of
 hours there. Saw many *Samolus*, mostly *S. laevis*
 but also certainly *S. terrestris* & also one *B. gracilis*
 ♀ on flower of *Scilla maritima fortunei*. Saw flower
 has a beautiful sweet, honey-like, smell, which mixed
 with last season's musk-like berries, makes a lovely
 perfume & was combined with *Samolus*.

By the Tolka, on pond, in the garden. Also
 Comfort (a medical student from England taking
 a course at the Rotunda hospital here) recently
 found dead shells of the snail *Littoridin granulosus*
 & a few days later got more on the right bank of
 the Tolka a couple of miles further up - just below
 the bridge crossed by the old road to Finglas,
 constituting an addition to the fauna of Co. Dublin.
 [For a description of an old & long doubted record]

10th March 1943. A fine day with much sun, but strong NW-W wind, cloud & fog at times, but not cold. Went by 11 AM. bus to Enniskerry, Co. WI, with A. Comfort to hunt moths in glen of the Bookstown river above Enniskerry, at foot of Glacullin.

Found the glen nearly denuded of small timber, much as Hazel, Birch, &c. & many large trees felled or topped by firewood thieves from the village & other places no doubt. Nevertheless we got or saw quite a lot of *Chrysomelids* *laminata*, a few *Acanthosia* *laminata* & one *A. aculeata*, while *Euc. obscura* seemed more common than I had ever seen it in the glen. Took two or three *C. laminata* on right bank of river above the small tributary that comes down from Ballybrack direction, i.e. above the ruins of cottage & on other bank of river.

Saw several of *Andrena* & one that I took as *Andrena* during lunch period to be *A. apicata*.

Also saw a ♀ *A. apicata* beside fresh burrow on sandy "field" above ruins of cottage & a very fresh ♀ *Bombus muscorum* on or *Salix* near same place.

10. 3. 43, cont. Enniskerry glen, WI, cont. Did not go up to bee banks, where there no doubt lots of bees would have been out, because it was so windy & I was with Comfort, who was only interested & very keen on the moths. Saw one fine *Mantodea* *eximius* near stream which was getting used to be at top of wood; this fungus usually not out till April in my experience.

11th March 1943. A bright cold day with heavy NW wind much colder than previous day. First red moss *Saxifraga* out in front garden in beds from half down by gate; first flowers in *Andromeda* in tub in back garden.

In afternoon walked to Dorney Rd. & up Boddys to Rathfarnham Bridge & home. *Alexandria* well out in several places along river & *Pteris* *vulgaris* in full flower - much further on than by canal at Clonsilla, on 7th.

Flower spikes appeared on *Carex stricta* against water house wall in back garden.

12th March 1943. Hot sun all day & no wind, after quite a hard frost at night, which killed off a few potatoes. Which left in ground look green but spud is February & some now up to 6 inches above ground. A most glorious day - sun too hot at times - which I spent mending glass roof of motor house, &c. - Johnson & parking in afternoon. Honey bees very busy at Flowering Currant & at 4 PM. a soft deep buzz announced arrival of a ♀ Bombus terrestris.

13th March 1943. Another beautiful day, after a frosty night. Left Museum at 1 PM. (being Saturday) & in afternoon we rode to the Shroton Park & spent a couple of hours at the east end of it. Gt. & little water-butterflies just south of Northbrook gate & along boundary wall & also at upper end of Fungy Glen, but mostly in Diptera & Coleoptera, few insects, etc. The only Hymenoptera taken were as follows: - [I mounted & then killed 21.12.1944!]
Hemiteles ruficornis ♂ under tree near Northbrook gate = 1
Campoplegid ♂ in Fungy Glen = 2
Pimpla 1 at 1.
Cynipids 3 at 1
Chalcids 1 at 2.

14th March 1943. Entirely sunny after a hard frost at night: no wind until 3 PM. Sun in early drizzle (very chilly!) got up. Sun very hot. In afternoon rode to Glendalough & up canal to Gollinstown bridge then back to Ballymackilly Mill & by road through Milltown to Glendalough & home. Gt. & little by gate of dairy farm by canal above Glendalough, as before, but no Hymenoptera taken. One hemiteles was seen by Daisy who called me in this to verify a beautiful ♀ of Bombus agrorum searching along bank of canal, exactly where I took a ♀ of this species on 1942. Took several others: from a ♀ Salix by canal lower down & stuck them in bank of drain just west of dairy farm gate, as no willows along this bit of canal at all. Just above Ballymackilly Mill & again just below & above Gollinstown Bridge are some good bee banks, where material was dug out in making canal as it ran out through the moraine. Here saw several Andrena nigroparva ♂ & ♀ & 1 lovely fresh ♀, Rich I caught & examined. Saw also 1 ♀ Bombus lucorum & several unidentified ♀♀ at willows on way back to Glendalough. About 6 Small Tortoiseshell Butterflies seen by canal.

None grown! AWS. March 1944

20th March 1943 (Sat.) A fine day, nearly all sunny, but with strong cold E. breeze.
In afternoon, rode to Glensmole, Co. DU, & left my car at Moynan & walked round upper reservoir.
A few Swallows seen on bank, but sweeping produced no Hymenoptera & no insects brought home.
No Bliffcliff there! After J. Egan M. Goodbody reported its arrival at St. Columba's College on 17th.

First white mossy Scirpago in flower in front garden, so that this year red & white are out together.
First flower in Primrose & Cowslip in back garden & first anthers seen on *Carex stricta* by water house wall.

21st March 1943. All morning till 4.30 P.M. when a sudden drip started after E. wind had dropped, after a couple of hours rain, E. got up again & cleared off the rain, which did not put in garden. In afternoon, before rain, walked to Ballyboden, up Dodder to Ballyboden Bridge & home.
No sign of Bliffcliff. Many *Meloe* on hedge bank by path up Dodder in one place & some pairs in cop.

23rd March 1943. A very fine day, but wind still E. & chilly. In afternoon took 2.25 bus for Ballyboden & walked via Ballyboden to Larch Hill & spent a couple of hours in the ^{old woods} ~~wood~~ on left bank of the 'Little Lough'. Saw several *Hygroplitis* to some extent & no bees seen, except a couple of Swallows flying over. I swept a few Bees & 3 *Proctos*. Saw several Small Tortoiseshell & one Peacock Butterfly in sandpit.
3 *Proctos*. =

27th March 1943 (Saturday). A fine day, after the softer days with the wind & some showering, but after 6.15, fine sunny morning, strong E. afternoon with some light S.W. wind, getting colder as day advanced. Rode to Glensmole in afternoon, which escaped the showering, & heard one Bliffcliff across lower reservoir, somewhere near the 'Water Gate' & on return journey saw flock (4 to 6) Sand Martins flying over the Dodder below Templeogue Bridge. Tried sweeping on the S.W. bank on W. side of lower reservoir, but results very disappointing; again tried sweeping just below upper dam & the only Hymenoptera seen was one of *Promethes leucophaea*, probably swept off flowers of *Barbarea*, but the rest empty.

27.3.43, cont. Glenasmole, Co. DU., cont.

Swath swept around sun trap on N. side of
lower reservoir, opposite N. part of *Carex aquatica*!
[7 mounted & then labelled 1.1.45]

Aphidius of kind large, etc., etc. etc. etc. etc. etc. etc.

Proctos. *Trioxys*? (Chalcid)

Cynipid 1. *Coccinella*

Also saw *Bombus jonellus* ♀ at flower of *Barbarea* &
saw 1 ♂ & 1 female *Leucophaea* at same place, just
below upper dam & was felt by river. Several
other *Bombus* heard but not identified.

2nd April 1943. A perfect summer day, with NW breeze
& much hot sun, very mild after several dull days with
rain & glass falling & gale from SW NW, with
lasted 3 days & night & then came off, clearing
trees & etc. & did much similar damage.

About noon E.O.M. saw Small White Butterfly on
Limestone Lawn & it was still there at 3 P.M.

In garden, 14 Clonsilla Rd., at 1.3 P.M. I saw a
♀ *Bombus agrorum* & a ♀ *Vespa* (? *germanica*) & a Small
Tortoiseshell Butterfly. First flower of *Ranunculus acris* seen.

4th April 1943. The third perfect summer day & maximum
but glass falling & some cloud. SW-W breeze. In museum
(on duty) in afternoon. Sun day.

Saw in garden about noon, 14 Clonsilla Rd., DU.,
Small White & Large White Butterflies, etc., the latter an
extraordinarily early date for the butterfly, which was
seen at range of 5 feet & watched for some minutes
so that no mistake could be made. The Small White
seen on previous day, in garden & earlier on the
day also. *Bombus lucorum* ♀♀ seen several times.
& 1 *B. jonellus* ♀ & 1 *B. lucorum* seen to visit flower
of *Korolkia cotoneaster*, now in full bloom, but neither
stayed long. *Vespa* of ♀ seen. *Andrena nigrescens*
& 1 ♂ & 1 ♀ seen at 11.30 AM. & also a ♂, & a ♀
seen on previous day at lunch time, as do the
various species. No sign of other hymenoptera!

7th April 1943. Saw some plant of *Silene acaulis* - flower
- back garden.

Merlay, C. DV.

11. Apr 43, cont. Glenasmole, Co. Du. 3.15 to 5.0 PM
 Only collected in two places, as follows:-
 1 = Flat at head of upper river, already dry & look-
 ing as if it had been there for some time.
 2 = ground at river bank on S side of lower river.

Bombus lucorum ♀ at 1, *B. agrorum* & *lapidarius* ♂♂
Halictus confusus ♂ at 1 - first seen for 1943.

Chalcid ♂ at 1, 2nd ♂

Hemiteles & *Phygadeuon* ? ♀ =

" " ? 2 ♂♂ at 2 =

" " ♂ at 2, not seen.

Proctos 3 at 2.

Chalcid 1 at 2.

Green-winged White Butterfly seen at 1.

12/4/43 1st Flown seen on *Hamamelis* outside of back gate.

14th April 1943. A soft day, mainly cloudy, with SW breeze,
 some slight sun in early afternoon, then very sun.
 In afternoon rode across Phoenix Park to Ashdown &
 turned up Royal Canal to Blanchardstown & back,
 on my back swept edge of canal & along ditch, chiefly
 opposite Morgan's School, but also very attractive ground
 near.

Royal Canal, W. of Ashdown, Co. Du.

3.0 till 5.0 PM.

Bombus terrestris, *lapidarius* & *terrestris* ♀♀ seen.

Andrena cineraria ♂ & ♀ seen on tow path at lock

below Blanchardstown. There is doubt a colony nearby,
 the colony like that in the Fairy Glen, is evidently one
 of the early ones!

A. jacobae ♂ & ♀, *A. albicans* ♂ & ♀ seen.

Halictus cf. albipes ♀ seen.

Homocidus spp. many seen on *Hamamelis*.

Myrmica ruginodis ♀ swept on edge of canal, common!

Taken at 1 [12 mounted & then labelled 10.1.43]

Pezomachus fasciatus ♀. *P. rufipes*? 2 ♀♀, not taken.

Hemiteles very small sp. 2 ♂♂ =

Phygadeuon ? ♂ & ♀, common =

Campoplegid ♂ & ♀ =

14. 4. 43, aft cont. R. Canal, W of Ashton, D.C., cont.
Taken at 1 cont.

Aspilota 2 ♂♂ = *A. (Aspilota) pumilio* (small)
+ *A. (Aspilota) pumilio* (small)

Dacnusa areolaris group ♂♂ & ♀ = *D. (Dacnusa) areolaris*

Aphidius { *A. (Aphidius) sp.* 2 small ant. 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000 } & others (♂♂) just left.

Proctos 1.

Taken at 2. [Only 2 mounted & these labelled 10 & 105!]

Phygadeuon seen at 2, 7000, not left

Campoplex ♂ not left, white-faceted legs

Ephialtes *lygus* ♂ & small, pale ♀, ant. 24

Dacnusa longiradicis 1 ♀, ant. 23

D. areolaris group ♂♂ & ♀ = *D. (Dacnusa) areolaris* ant. 23, 24

Aphidius 1 of which ♀, ant. 18. *A. (Aphidius) pumilio* ♂, ant. 18, small.

One Swallow seen over canal at 4.30 P.M., just down.

Orange-tip Butterfly ♂ seen by canal

15. 4. 43. At 1.45 a night Swallow seen at Portobello, Dublin.

Took 7 *Aphidius* on *Calluna* garden kept with them.
Aphidius taken for several days but none seen to be interested in them, though they were on *Calluna*. = *A. (Aphidius) pumilio*? ♀, ant. 19

2nd April 1943. A beautiful day, with sun & strong wind.
Wind dropped about 6 P.M., actually raining till 3.30 P.M.
When a high haze covered sun, breeze falling, quickly
all day & night before! In afternoon I rode to Lucan
to visit Mr. Shekleton at 'Canonbrook' & with him
saw for half an hour around the pond, along paths &
glens on each side of river, & in a large field S. of
river. ^{Orange-tip, & Gold-tip, & other butterflies seen in the}
river. Wind dropped in evening & rain at 6.30 P.M.

[37 mounted & these labelled 111 & 115]
Canonbrook, Lucan, Co. DU. 4 till 5 P.M.

Bombus terrestris & *lapidarius* ♀♀ seen in garden of

B. Lucan & *terrestris* ♀♀ also seen

Andrena albicans ♂♂ seen by bank after sun gone in

Empusa tridens ♂ & ♀ A.W.S. 11.1.45

Pentaneura ♀ (black like *Pentaneura* & black with yellow legs)

Cryptus 6000, 2400 (not mounted). *Leptocryptus elongatus* ♂, ant. 22

Pentaneura ♂♂ mounted on both sides, ant. 18.

Microgaster terrestris 1 large ♂, ant. 22

Promethes laticornis 1 very large ♂, ant. 22

Campoplex ♂ not left

Pentaneura 2 = *Pentaneura*
ant. 21

? E. Zap. (Trem.) Procuretor Procuretor or Portloughfield, CV.
19.4.43.

Stenomacrus black or, 28-seg ant, with faintly
outlined, elongate areolet in forewing
Portloughfield, CV. 19.4.43.

= St. cf. curvicaudatus ?

St. cf. affinis ♀ Canho, CV. 2.4.43.

Euclyptus cf. incidens ♂ ? Sharnon Wood
CV. 26.4.43.

E. cf. notatus ♂ ? " "

Small black ♀ Campoplegid, ant. 21-seg.

=

Bathyzonus furcatus or Portloughfield, CV.
19.4.43.

Exochus cf. ? ♂, ant. 18) 31-seg.

propodeum matt.

Portloughfield, CV.

19.4.43.

Apanteles cf. triangularis ? ♂

Furnham, CV. 3.4.43.

Euphorus pallipes var. ? pale antennae or

Portloughfield, CV. 19.4.43.

Euphorus pallipes Rath ? ♂ (?). Furnham, CV. 3.4.43.

Leucophaea adentata ♀, with short smooth antennae

Sharnon Wood, CV. 26.4.43.

Daenusa fumipes m, ♀ Killybegs, CV. 24.4.43.

Small ♀ *Dacnusa* cf. *areolaris* long areolet
blackish legs. Killgorman 24.4.43. CV

20th *E. thoracica* ♂ Polystigmated with black and add. ♀
2 off. ♂ *Stenomacrus* *Euphorus* antennae 22.
Rothomfield. 19.4.43. CV

Stenomacrus small coal-black ♀
Canham, 2.4.43. Beetle.

Euphorus pale, not quite 1 antennae: small sp.
Apanteles Sect. 4, very black, short leg.
Farnham, 3.4.43.

Small black ♀ Campoplegid, long terebra
Coal-black Weevil
Lophocornichus. CV. 16.4.43.

Euclyptus 2 ex. (2 off) 26.4.43
Leucophaea *edentata* ♀
Shannon Hd. CV.

Picked out of R.C.I.s R.T.O.
April 1943 coll. to mount.

14/6/1943

21-4-43, cont. Canonbrooks, Limer, DU, cont.

Rhyacionia clavata 2♂♂, ant. 24+25.

Euphyas similis 1 *E. pallidistigma* 1

Exochus cf. *tuberculatus* ♂, 1st ant. 21, 2nd 22, 3rd 23, 4th 24.

Adelius { little a large ♂ of *flaviventris* }
or a small ♂ of *isabellae* ♂
9. some other species

Phaenocarpa ♂, 1st ant. 21, 2nd 22, 3rd 23, 4th 24.

Aspilota cf. *parvicornis* ♂, 1st ant. 19.

Dacnusa *hemipuncta* v. *tuberculata* m. ♂, 1st ant. 21, 2nd 22, 3rd 23, 4th 24.

D. cf. tuberculata ? 1♂, small, dark legs, ant. 21, 2nd 22, 3rd 23, 4th 24.

D. cf. tuberculata ? 1♂, ant. 24 = *glaberrima* m.

Epheura *lanceolata* 3♂♂, all with 11 seg. ant.

Epheura *caesia* 10♂♂, 1st ant. 11.

Epheura ♂

Proctos 3: 2 mounted.

Myrmica 1, 1st ant. 11.

Colletes 9, including one almost light yellow specimen, ant. 11.

1♂, 1st ant. 11, 2nd 12, 3rd 13, 4th 14.

22-4-43 April 1943. After some rain in the past week
a very nice flower in garden including *Roses*, *Colts*
of pink garden. Saw 9 *Vespa* *nigricornis* in back
garden in evening.

23-4-43 April 1943 (Good Friday!). Great day, the first
for a long time!!

At 7.10 AM I saw started to hear a cuckoo singing
lastly in some trees 3 of Glenville, Rd. It continued
to sing for nearly half an hour.

24-26 April 1943. Very wild weather prevailed over
the Easter week, and a much damage done to trees, just
in leaf.

28th April 1943. The first day without wind for nearly a
week, but mainly dull, after a sunny morning, but
the rain caused by SE & SW-W winds.

At nine A.M. I saw & examined closely a *Vespa* *nigricornis* ♀
& another ♀ of *V. germanica*, in back garden.

In afternoon rode (alone) to Slade of Sappart &
saw two swans for a couple of hours, but
vegetation under trees very thick and there a little
to sweep. Saw flock of House Martins at foot of
the Slade along with bees to Sappart.

28. 4. 43, cont. (afternoon).

Slade of Saggart, Co. DU.

- 1: area adjacent to old road, under trees & by stream on left bank of river & S. of bridge. [26 from 1 mounted, others labelled 12.1.45]
- 2: area on both sides of river (above the open grass field on left bank) for 100 yds.

Taken at 1.

Circulatus ruficornis? 1 ♀, reddish abd., ant 24.

Hemiteles sp. ♂.

Phygadeuon ♂. 2000.

Mesochorus? small sp., with areolet, ♂, ant 37: none taken at Glanville 1944.

Perilissus filicornis? ♂: not mounted.

Apanteles obliquus Th. 2000 with pale on hind femora.

Plectiscus 2000, 1 ♀ (1000 1 ♀ mounted) =

Colletes braconius: a small ♂ & equally small ♀, both just eclosed.

Euphorus cf. *picipes* Hal. 1 ♂, ant 21, legs fuscous.

Alloea contracta 4 ♂♂. *Chelonus curvicauda* ♂, ant 22.

Aspilota cf. *peruviana* 1 ♂ 2 ♀♀, ant 22, 17 & 18. *A. cf. peruviana* 2000 ant 18 with dark.

A. cf. peruviana 1 ♂, ant 22.

A. cf. peruviana 1 ♂, ant 22.

28. 4. 43, aft cont. Slade of Saggart, DU, cont.

Taken at 1 cont.

Dacnusa longiradicis 1 ♀.

D. lacinipectus v. *tilachia* Hal? about 1000, 1 ♀, legs red, ant 22, 17 & 18. [all three labelled 12.1.45]

Monobromus carinatus 2000, 2 ♀♀, one of which was taken by the other, both 2000 by male: both 17 & 18 anted, ant 22.

Ephedrus cf. 2000, fuscous legs.

Proctos: 2: both mounted.

Chelonus 1 (mounted).

Sacpilis 3 at 1, 1 at 2.

Empria punctata? ♀ at 1.

Alloea contracta? ♂ at 1.

Blacus ruficornis ♂ at 1.

Monobromus pallens ♀ at 2.

28. 4. 43, aft. cont. Slade of Saggart, DU. cont.

Taken at 2. [Only 5 mounted from 2 & then labelled 12. 43]

Atractodes laticornis ♂

Phygadeuon sp. ♂

Oncophanes lanceolatus? ♂, very small, ant. 20.

Apanteles lineator? ♀, long terebra.

Euphorus similis 1 ant. 16.

Alloea contracta 3 ♂♂.

Aspilota rufipes ♀, very red legs, ant. 20.

Dacnusa longiradiata 3 ♂♂

D. areolaris? ♂♂ common

Monactonus cinctus ♂.

Aphidius sp. fuscon legs. several ♂♂.

Chalcid. 1, same sp. as at 1.

Cynipids common: not taken.

Coleoptera

29th April 1943. A nice soft day, but mainly dull with

SE-SW gale - slight drizzle at times. ^{Still at work at 7.30 PM.}

At 5.30 PM saw a ♀ (*Aspilota*?) *Aspilota* on

flower of *Androsace* Heath in back garden at

14, Clareville Rd. Also saw ♂ Long White Butterfly - *Hesperia*

1 May 1943. *Hamulites* ♂ taken in house. 14 Clareville Rd. ^{Hamulites, Brn. DU.} at 4.30 AM.

2nd May 1943. A perfect day, all sunny & very hot sun after a misty morning, but with strong keen E. breeze; similar to the previous day.

In forenoon spent half an hour in back garden before dinner & saw on trees the following: -

Bombus lapidarius ♀ seen - the only female.

Andrena grisea ♂ & *Helictes* *albipes* ♀.

Oxygaster *pectus* ♂ at tree & *Aspilota* *lanceolatus* ♂.

Pimpla instigator both ♂ & ♀ seen.

P. oculator ♂ & ♀ at White Currant.

Homocidus pictus group ♂♂ seen on tree. The green is pale = *H. longicornis* ♂. *H. subopacus* ♂ & a smaller ♂, similar, like size of *pictus* with subopacus face of *pictus*.

2.5.43, afternoon

After dinner rode to Clonsilla & worked up the Grand Canal, as on previous years. Still very hot sun & cool E. breeze, till we left for home at 5 PM. Dull later with cloud from N.W.W.

[4 specimens of *Aspilota* taken at 12.4.43]

2.5.43, aff. cont. Grand Canal, W. of Clonsilla, Co. DU.

Collected at two places as follows:—

- 1 = parallel drain at 30' end of Clonsilla, bet. wall & drain, 200 yards above lock, & in road bet. along side of canal above lock. S. side of canal!
- 2 = along parallel drain just above dairy farm gate & for 200 yards above same, 1/4 mile above station 1.

Coenobius muricatus, a group, *derhamella* & *lucorum*
♂♂ seen at 2

Andrena aff. *Handleyi* 9♂♂ everywhere along hedge, when Hawthorn abundant, in full flower: none before here I saw this out at beginning of May so far as I can recollect. *G. albicincta* ♂♂ only examined, but other species undoubtedly seen, at 2.
Homalictus aff. *Equatus*, common, but only *H. gortynoides* actually reared, at 1.

Swept at 1. [3 insects mounted from 1 & three labelled 11.11.1945]

Dolerus palustris

Black *Andrena* aff. = *Andrena* sp. 2

Euphranta *pavida*? or (at 2?)

Commonest & best
White-throated Green
Hill
at Clonsilla - near
road!
Spotted Wood, Hill & Overgrown
Butterflies seen

2.5.43, aff. cont. Clonsilla, DU, cont.

Swept at 1, cont.

Diachasma ♂ swept off *Salix* by drain = *Proctos* *marginatus*? ♀
Cryptus 16♂♂, 1♀: none mounted.
Homocidus stramineus ♂
Gasterocercus ♂.

Proctos of *Andrena*? 2♀♀, ant. 26 & 28, ant. 22 abd.

B. teretator M. ♂, ant. 36.

Apanteles circumscriptus 2 ♂♂

Euphorus pallipes? 3 (♂♂) ant. 25, 26 & 27. legs & striae!

Aspilota vulgaris ♂, ant. 17.

Dacnusa areolaris ♂.

D. aphanta ♂.

A. (G.) signatus ♀, ant. 24

Microctonus carinatus ♂

Aphidius aff. 5♂♂, not mounted.

Proctos 1 =

Cryptus 1 =

For these taken at 2
P.T.O.

2.5.43 cont. Clondalkin, DU, cont.
 Swift at 2. [9 mounted & then labelled 10.1.1943]
 Cryptine 6000 2.88, not mounted!
 "Pimpla" detrita pup ♂, ant 23, fem 24, 25.
 Stenocranus ruficornis? ♂, ant 22, not mounted.
 Bracon tricolor ♂
 Meloboris cf. ruficornis ♂
 Chalcid ♂ = *Angitia* sp.

Bracon areolaris? ♂, ant 22.
Aspilota cf. *pallipes* & *laticinctus*, 1 ♂ of each, ant 22.
Blacus cf. *diversus* ♀, ant 20.
Phaenocarpa confusator 2 small ♂♂
Aspilota ruficornis miki ♂
Oncophanes pubescens 2 large ♂♂
D. cf. *canipalpis* var. with dark legs 2 ♂♂ of 1 sp.
D. aphanta 1 ♀, ant 20 } *Worm* & *long* & *stump* & *dark* - *from* *glabrous*
D. cf. *pubescens*, but thorax quite *dark* & *ant* 18 = *pubescens* 18 =
Microctonus caninus 1 ♀ - *Aphidius* *viridis* Hal. 1 ♀, ant 16. [Pith. 18. 6000 2.88 1943]

Praetor 5

Lygus 3

4.5.1943. 3000 *Aphidius* *brunneus* on *from* *Aphidius* *luteus* in *meadow* in garden, 116 Clonsilla Rd., Harold's Cross, Dublin.

6th May 1943. A bright cold day, after a depression with much rain on 5th: fine till sunset & glass rose at 4 P.M. then a heavy shower with hail for half an hour which made sweeping almost impossible, then sun, then another squiff, then sun. Wind NW & very cold, strong at times. Few insects out.

Bohemian & Glencole, Co. DU.

3-30 till 6.0 P.M.

1 = Quaggy willow from below Bohemian R.C. road 3-30 - 3-45 P.M.

2 = Willow Glade in Haugh opposite Moore's house on right bank of river at head of lower meadow in Glencole. 4-30 - 5.0 P.M.

3 = Under trees & along old river course on left bank of river just above & below Moore's house, Glencole.

Bohemian, Co. DU. (= Glencole, 1943. 4.5)

Taken at 1. [9 mounted & then labelled 10.1.1943]

Phaenocarpa ♀ = *caninus* *arguta*? ant 21.

Stenocranus cf. *diversus* ♂, ant 22, not mounted, ant 22, 23.

Praetor = *Phaenocarpa* *fasciatus* Hal. ♀.

2 Swifts seen at Bohemian at 6.15 P.M.

6.5.43, cont. Glenasmole, Co. DU.

Taken at 2. (mostly sorted up before 1945)

Chelis labialis 7 1/2, *Eucera* 1 ♀

Stenomacrus 1 ♂, ant. 24.

Ecliptus fortunatus ♀ on *Salsola* very small, just emerging

Merisiphium ♂, ant. 29.

Colletes braconis ♀, *Embryonaria calceolaria* ♂, ant. 27.

Dacnusa cf. *laevipes* ♂, with dark legs.

2 *Chelis* (2 1/2, both mounted). Difference =

Taken at 3. (1/2 from 3 mounted & these labelled 15-1-1945)

Eucera 1 ♀, *Dolichopus* *possilonis* 1 ♀

Homotelia ♂, ant. 24.

Phaenocarpa ♂, ant. 27. ♂, ant. 23, red legs.

Stenomacrus ♂, ant. 23.

Euphorus *peripatus* 1 ♂, ant. 20, from 1943.

Opius *functorius* ? ♂, ant. 25, immature. (First *Opius* in 1943!)

Dacnusa *laevipes* 1 ♂, very small, dark legs. ♂, ant. 24.

D. areolaris ♂, ant. 26.

D. fallax ♂, ant. 23.

D. postica ♂, ant. 28.

Butterfly *Argynnis* *amalgama*, which I added to list

6 yrs ago from Glenasmole, taken at 3.

1943 from 2
mounted
& these labelled
15.1.1945!

7th to 11th May 1943. (Friday till Tuesday, inclusive.)

After much dry & mild weather & then some rain &

much growth, the weather turned cold early in May. On

the 7th we had rain & all day, with cold N.W. wind.

Saturday 8th very cold & wet in morning; Sunday 9th

very cold with terrific hail shower & 1 gale at

intervals from N.N.W.; very rain & cold in evening.

At 2 AM. (on Monday 10th) it commenced to snow

& continued till breakfast, so that in our garden

there was about 3 inches of snow & everything flattened

out by it - except bushes, & in town this

quickly thawed & was now gone. On the mountain

however, there must have been several feet of

snow in all completely white & still fairly white

at 5 P.M. on 11th, though this day not cold & much

snow in forenoon, wind turning to E. caused a fine

& stiffy of rain with cloud in afternoon.

Potatoes in back garden quite unaffected by having

covered for some hours with snow, also new patch

of *Osmondia* unaffected; but *Euphorbia* *hibernica*

in front garden quite broken down & almost flattened

by it.

11th-13th May 1943.

During the night of 11th-12th the temperature rose considerably, with S.W. wind, but this morning rose to S.E. - Gale at 10 AM. caused a rain with hail, rain till 2 P.M., after which the streets dried - but pavement. By 5 P.M. on 12th not a trace of snow remained on the hills around T. & Rock Mt. (all I could see!).

G Swift seen flying over Harcourt Terrace at 2.15 P.M. on 12th & the town full of them by noon on 13th & heard screaming by being in Clarendon Rd.

This day, 13th, very warm & "stinky" at Harcourt from hot sun & going down hill to canal at 9 AM. I suddenly woke into a cold pool of air & wind changed from S.W. to S.E. Very heavy rain in early morning, before breakfast, but day gradually improves & sun begins to filter through mist, as wind increased about noon.

By 2 P.M. wind S.W.-S & very strong, still hot sun coming through mist.

Many flowers in garden came out during the period following the snow & melting through on 10th-11th, such as All Sea Rocks, *Veronica saxatilis*, *Sax. hypnoides* (?) etc.

13th May 1943, afternoon.

Rode along to W end of Clarendon Park & returned in 3 places between Ferry Glen & Knocknacree Gate, 2 last S.P.M. Very strong, very warm & grass, etc., very damp, but excepting just small in some spots: many insects out, especially colletes & diptera.

1 = along wall, under trees, at head of spring moving down to low-filled ^{low part} ~~marshy~~ of Ferry Glen.

2 = under trees by house from foot of Ferry Glen to Knocknacree Gate, just west (west end) of 1.

3 = under birch glade on other side of house at 2, i.e. along avenue to head of Ferry Glen where it joins avenue from Knocknacree Gate.



18.3.43, 5th cont. Phoenix Park, Co DU. cont.
Taken at 1. [30 mounted from 1 other labelled 12.1.45?]

Dolichopus nigritus ♀ *D. arenarius* ♀
Trichopoda 1 - *salvini* ♂

Cixidia

Aspilota 5 mounted in one and 1 other

Cryptine ♀ (mostly ♂♂) included

Leptocryptus - *clavicornis* ♂, ♂

Homocidus *terrestris* ♀, *signatus* ♂, ant. 22

H. pectoratorius ♂♂, common

H. laevigatus 1 ♂ & 1 ♀, ant. 32 & 23.

Pentaneura ♂ = *Pentaneura* *laevigatus*? 1 small ♂, ant. 22.

Cixidia 3

Mesochorus ♂

18.3.43, 5th cont. Phoenix Park, Co DU. cont.
Taken at 1, cont.

Bracon *apiculator*? 1 small ♂.

Microplitis *laevigatus* ♂, large, ant. 24. 1st the mounted

Chygus ♂, ant. 22. 1st the mounted

Leptocryptus *clavicornis* ♂, ant. 22. *Aspilota* *laevigatus* ♀, ant. 22.

Microplitis *laevigatus* ♂, ant. 22. 1st the mounted

Chygus *laevigatus* ♀, ant. 22. 1st the mounted

Pentaneura *laevigatus* ♂

P. laevigatus ♂

Aspilota 5 ♂♂, mounted, ant. 22.

Aspilota 5 ♂♂.

Bracon *laevigatus*? ♂♂. 1 ♂ & 1 ♂, *Bracon*, ant. 22.

D. of *laevigatus* ♂, ant. 22 & 23.

D. affinis ♂, ant. 22.

D. subvirens 1 small ♂, ant. 26.

D. of *laevigatus* ♂, ant. 22. 1st the mounted

D. of *laevigatus* ♂, ant. 22. 1st the mounted

Praon *volucre* 2 ♂♂. *Praon* ♂

Monostonus *caeris* 2 ♂♂, 1 ♂.

Leptocryptus *clavicornis* ♀, ant. 22.

13.5.43, off. cont. Phoenix Beach, Del., cont.
 Tels. 12.3, cont.

Phaenocarpa rufipennis on all 3

Chalcid 01.

Aspilota off 6000, 4♀♀: as follows: *A. myrmecophaga* ♀, ant 18.

A. armifera 3000, ant 18. *A. fusca* 10, 18, ant 18.

A. clausi 01, ant 18. *A. picticornis* 1 ♂ & ♀, ant 18.

A. (Aspilota) ♀, ant 18.

Aspilota 1 ♂, ant 18.

Proctos.

Chalcid.

Aspilota.

Dragonfly. First of season seen. no doubt
Erythemis simplicicollis.

16th May 1943. A brilliant day. S. wind, a strong
 - night & sun seen almost all day. No wind
 - sun - a more westerly drift, but in South-
 E all day & quite a breeze in afternoon. At
 Leindef W. until we left but by light & after
 dropping entirely. Sun blazing, as day & fresh.

Rode to Leindef where arrived at 12.30 noon
 & swept slope from Louisa Bridge to Rye Water
 till 2 P.M.; then, as usual, on along Royal Canal
 for 1/2 mile, to plantation of canal ^{belonging to} Mr.
 Mitchell's new house stand - farm; here collected
 along canal & tow path & in plantation (before
 & after tea). Left there about 5.30 & home at 7.

1 = Slope from road at Louisa Bridge to Rye Water
 (N. of Canal & W. of Aqueduct & Rye Water!)

2 = By Royal Canal & along tow path, outside
 plantation, 1/2 mile W. of Louisa Bridge.

3 = Inside plantation, before tea, 2.30 till 2 P.M.

4 = Same as 3, but E. end of plantation & park
 E. of path to Mr. Mitchell's field, the latter now before
 worked. 4.30 till 5.15 P.M.

Bombus lucorum, *horvathi*, *lapidarius* - all.

terrestris (1), *muscorum*, *agrorum* & *deschamillei*

B. muscorum 1 ♂ seen, very fresh, at 2.

♀♀ seen

16.5.43, cont. Rye Water & R. Canal, KD, cont.
Many *Andrena*, *Habicta*, & especially *Homalictus* seen,
but nothing that looked of interest.

Diaprosia: *Pyronoma* nymphula & many
General opinion of men at 1, 2 & 3.

[23 mounted from 1 & 2, labelled 19.5.43]

Taken at 1. Labelled "Rye Water, KD. 16.5.43."

Ludus multigatus ♂ *Aphelopus* 1st.

Tenthredo atris ♂ & ♀.

Podisma? ♂ at Lake =

Ammocryptus puniceus? ♀ at Lake, very small dark brown.

Proctos pads? ♀

Alomyia debellator ♂ [♀ seen at 2]

Phaeogenes fulvipes ♀

Cryptinids 7 (none mounted)

Pimpla turinellus? ♀ at oak, in 2nd field N. of canal

Bassus tricornatus ♂

Promethes cognatus ♂

Zostrophus rubicundus? ♂

Hemiteles elegans ♂ dark var. at oak: 1st. of oak left.

H. bipartitus ♂ at oak.

H. signatus ♂

Campoplex, small red ♂.

16.5.43, cont. Rye Water, KD, cont.
Taken at 1 cont.

Bracon epitaphus ♂ & ♀♀ common

B. osculator? 1 ♀, ant. 24

{ 30 ♂ 328 mounted.
♂ ant. 24, 25, 26, 27, 28.
♀ ant. 26, 27, 28.

Opius pendulus ♂ & ♀, ant. 21 & 19.

O. irregularis ♂, ant. 20.

Phaenocarpa livida ♂.

Dacnusa areolaris ♀ & ♂: ♂ & ♀♀: taken at top of 2nd field: none mtd.

D. confinis both ♀, ant. 23.

D. cf. fuliginosa ♂, 2 ♀♀: ant. 23, 22 & 26.

Coelinius ♂ 2 ♂♂ at top of 2nd field.
ant. 47 & 56.

Aphidius spp.: none mounted.

Proctos rare.

Chalcids abundant.

Hemiteles 1 =

Chalcids: *Dacnusa* common?

16.5.43, cont. Royal Canal, Co. KD.

Taken at 2. [Only the *Aspilota* mounted & then labelled 20.11.1945.]

Most of the Bumblebees, listed above were seen here, but others in very little, as was too hot & no shade.

Epitomus pygmaeus ♂

Chalcidius debilis ♀ seen & many other ich. flies along canal edge. *Ph. havis* too, but not common.

Aspilota fumosa ♀, ant. 17, 2 dark specimens.

Aphidius spp. many ♂♂ & ♀♀ seen kept.

244 mounted from 3 & then labelled 20.11.1945.]

Taken at 3. (Schr. listed on p. 103 →)

Sample at Repter = *Diorella testaceipes* ♂

Phygadeuon clavator 20♂♂, 1♀

Aspilota (false group) 10♂

Euphorus sp. on full p. 1, testaceous, 20 very common, 1 kept.

Allua contracta 10♂, 1♀.

Orthostigma curvicauda 20♂♂, 2♀♀, ant. 20 & 22, 7 & 21 & 22.

Aspilota 20♂♂, 3♀♀, kept the following 4 only

= *A. longicauda* ♂♂ 20♂♂, 2♀♀, very common. *Aspilota* 20♂♂, 3♀♀.

16.5.43, cont. R. Canal, KD. cont.

Taken at 3, cont.

Aspilota (*Enallagma*) 1 (ant. 20)

Diaprius erectus ♂, pink common, not kept.

D. luteus ♂ & ♀, ant. both 23

D. bellina ♂ & ♀, not mounted.

D. apterata 3 ♂♂ on edge, ant. 20, 21 & 22, 1 kept.

D. glaberrima ♂, ant. 20.

Dysdercus, *Planiceps* ♀, fully colored & wings kept, ant. 24.

Aphidius spp. numerous, not mounted.

Monobotus *caucus* 2♀♀

Proctos frequent: kept only

Diaprius 30♂♂ =

Chalcid abundant.

Cynipids.

Coleoptera - *Thamniscus*

16.5.43, cont. R Canal, KD., cont.
Taken at 3, cont.

Cryptine 7: 2 seen in all 3 σ^2 kept. =

Stenocranus ^{Polydora fuscescens Fint.?} σ^2 ^{J.F. Perkins, 15.11.43} σ^2 ^{very common at 3, but not kept}
St. pallidus σ^2 ^{very common at 3, but not kept}

Pimpla flavicornis 2 σ^2 σ^2 = ? ^{these are the 1st 2 σ^2 of Perkins, 12.11.43}

Proctos *cognatus* 5 σ^2 , 1 ϕ ^{will be kept}

Stenocranus cf. *affinis* ? ϕ , ant. 22

St. pallidus 4 ϕ , σ^2 ^{very common at 3, but not kept}

Campoplegid: 2 σ^2 , 1 ϕ not kept.

Theridion σ^2 , 1 ϕ = *Theridion* σ^2 ant. 17

Plectiscus σ^2 not kept.

Megastylus 2 σ^2 =

Taken at 4. [19 mounted from 4: 2 then labelled 22.1.45]

Phaenocarpa *thick* ϕ , ant. 25.

Pavilanus *phoeniceus* 2 σ^2

Proctos *cognatus* 3 σ^2 , 1 ϕ

Homocidus *pulchellus* ϕ ^{very common at 4}

Stenocranus σ^2

Apanteles ϕ

16.5.43, cont. R Canal, KD. cont.
Taken at 4, cont.

Rhyssalus *clavator* σ^2

Opius *concolor* 1 σ^2 , 1 ϕ ant. 22, 2nd divided very much like 1st

O. σ^2 ant. 22. *O. delius* *flavicornis* σ^2 , ant. 22

Orthostigma *concolor* 2 σ^2 , 1 ϕ , ant. 22, 22, 22

O. *saevus* 2 σ^2 , 1 ϕ , ant. 18, 20 & 17 respectively

Aspilota 3 σ^2 , 2 ϕ = *A. clivosa* 1 σ^2 , 1 ϕ , ant. 22 & 20.

A. longipes 1 σ^2 , ant. 22. *A. cf. nitens* σ^2 , long 25, ant. 22

A. fuscicornis 1 σ^2 , ant. 19, rather dark brown

Dacnusa *pubescens*, "*areolaris*", *lescheri*, *bellina*, *malinensis* (2)

D. porticus 1 ϕ , very small, ant. 21

D. exadactyla 1 σ^2 , ant. 31

D. globulicollis 2 σ^2 , small, ant. 33

Monostonus *monostonus* 2 σ^2 , ant. 22 & 23

Proctos 3 or 4, including *Phaenocarpa* σ^2

[None other mounted!]

Chalcids

Ichneumon

[*Cinara* with seen at 11.11.43 on *Chalcidius* σ^2 - *Chalcidius*]

17th May 1943 (Monday) Another perfect day,
not a cloud in the sky & very hot sun.
Wind E. but very slight.

Spent day (alone) on the North Ball, going
down by Dolly's boat & coming at 11 AM.
Went chiefly to look for *Idiotea* near the
wharf E. O'Mahon has taken 300 or 400 of these
on dates 8/5, 13/5, 26/5 (3) & 23/6, but saw not a
trace of it though I stayed on the ground till
nearly 8 P.M. On way down to the point & up
at intervals along salt marsh, particularly around
drains & salt-pans, with intervals of mud &
for *Idiotea* (=1) arrived at Lady Anne's Bank
near the point at 3.30 & had lunch. Then sought
flat between that & the strand & all round (=2)
till 5.30, then had "tea". Then sought my way
back along salt marsh (=3). Insects taken at
1 mostly in first mile at Dolly's end, then
at 3 mostly at the other end. *Hymenoptera*
not common & many wasps failed to visit
even one: many more seen in middle of day
than at once 5 & 8 P.M., which is quite contrary
to my usual experience inland.

19.5.43 cont. - North Ball, Co. DU.

Bombus terrestris (3), *lucorum* (1), *terrestris* (1)
& *muscorum* (3 or 4) ♀♀ seen in various other
specimens heard while working but not
seen; 1 ♀ seen near bridge about halfway
was distinguished, but not quite certain.
Apis mellifera ♀♀ abundant at flower
of *Lotus corniculatus* at 2.
Halictus rufus ♀♀ at 2.
Myrmica ruginodis ♀♀ at 1 & 3.
[No other aculeates seen & no *Exochus*,
seen all day.]

Taken at 1. 11.30 - 3.0 P.M. Estimated from 1000 collected 13.1.43

only 3 *Idiotea* taken!

Chalcid 1 ♂, black legs, ant. 20.

Pimpla *sericeicornis* ♂, ant. 26.

Exochus 2 ♀, ant. 20.

Aspilota *halictidis* ♀, black wings, long terebra.

A. pallipes ♂

A. pallipes ♀

17.5.43, cont. North Bull, DU. cont

Taken at 3. 6.0 till 7.30 P.M. [16 mounted from 3
collected 20.6.43.]

Physid, black, ♂ =

Chalcid *tenebrion* or *Cryptus* 20, at 3.

Em. papyrifer ♂ = *argentea* ♂ at 3.

Apariteles fulvipes ♂ & ♀ = *C. pallipes*!

Cephus 2 = ♂ & ♀ *E. pallipes*?, at 25 & 21.

Proctos 3 (2 mounted)

Chalcid 1 (mounted)

Common Blue Butterfly, many seen
chiefly at 2, only 1 ♀ (at 2). seen
early date, but per 207 on N. Bull.

Green Blue road beetle =

Red & black Staph. ♂ with thoracic spine.

1st seen in 1944 on 9th May!

18th May 1943. Another very hot, cloudless day, though
glass down half an inch & falling, after being very high,
30.5, for several days. In afternoon rode to
Glenasmole, but strong E. gale blew glass much
coldest & very poor, even in the most sheltered
place between Moore's house & the pond; here
saw a few on lawn with little result, a small ♀
which occurred in withering. Filled the rest of
evening sweeping. *Lucania pulchra* in many places,
much to the fire & branches from pond
cut trees thrown into all the best collecting
spots; leaves some have very discoloured!!!

Glenasmole, Co. DU. [Only 9 mounted & three
collected 25.6.1945!]

Flat below Moore's house, under trees & in swamp,
to pond very near above house. 4-5 P.M.

Bombus lucorum, *agrorum* & *terrestris* ♀♀ seen.

Antlion ♂ swept off *Salix*.

Cryptine 5 ♂♂, including 1 *Chryptus*, on leaf.

Pimpla flavicollis ♂.

Picrostigma volucre 1 ♀.

Mesochorus ♂, at 31.

18.5.43 cont. Glemsdale, DU., cont.
Campoplex 2 (both) *Phaenocarpa*? at 31.

Colletes brevis on *Salix*.

Euphorbia *brunneipes* 17, *salicis* 10, etc.

Phaenocarpa *pinivora* at 31.

Aspilota cf. *signatus* 10, at 31.

Dacnusa *areolaris* group, cf. *curvipes* 1, *pubescens* 1.

D. bellina 2, 3.

D. areolaris 1, at 31.

Aphidius 2, 3, at 31.

Proctos 2 (both *monticola*?)

Diptera, *Hyg.* at root of Alder tree.

18.5.43, 6.P.M. Garden, Hablethorpe Rd., DU.

On return from Glemsdale found garden full of
 of *Crabro* *varum* & a few *Chalcididae* & *Chalcid*
ignita (100000). Very early date!

— One seen on 10th in 1944? N.H.S.

19th May 1943. After a fine morning, with the glass
 down again, wind rose about 10 AM & turned S.W.
 from a gale along the coast, but did not clear
 till about 2 P.M. Drier & hotter than previous 2 days
 & about rain about noon, but dry & cooler in
 the afternoon. Went to Dolly, north of a tree
 just after 10 AM & walked along The Black Bank
 to Sutton, where picked up the 10 AM *Phaenocarpa*
 two. Then walked down the Portsmouth peninsula
 almost to the tip. Swept a little on my return
 the peninsula, but few insects, not in the trees.
 Then swept for an hour between golf links &
 sea. Again after lunch swept for another hour
 & then came back to peninsula N. of golf links
 & after tea swept *Salix repens*, etc. for half
 an hour. This plant seemed to have suffered
 much from cold winds earlier in spring
 & to have flowered very early, as 90% flowers
 over & fruit ripe, but some still catkins, again
 not since recent rain (10 miles!) & many
 sapflies on these plants of *Salix*. Got into
 visit exact spot where Desmond Wallis
 found *Myrmica schenckii* in 1942 & all new
 ants examined *M. scabrinodis* & *M. ruginodis*.

19.5 43, cont. Portmanock Lane, DV, cont.

ston. of "red" [no doubt Norman Gray was the

plant intended! AWS.]

Myrmica ruginodis & *castaneiventris*

Samples!

24th May 1943. A fine day, with shower at 5.45 P.M. & rain & heavy shower 7 till 8.30 P.M. Hot sun at other times.

In afternoon when at Dudley Westropp, 10 St. James Terrace, Blackheath, D.U., collected with me in garden, chiefly at garden rubbish heap, just after shower, 6 to 6.30 P.M. Westropp garden, Blackheath, D.U.

Aspilota of impressa? 3 ♀♀, in rubbish heap, with ant. 12, 18, 19 seg.

Dacnusa of conspurcator & *areolaris*? 2 ♂♂

Aphidius spp. 4 = *A. brevicornis* 2 ♂♂, ant. 11 & 12 seg. & *A. abjectus* 2 ♂♂ (ant. 9) & ♀ (ant. 14).

3 beetles.

25th May 1943. A disappointing, yet fine, day, with a pleasant morning with W. light wind, the forecast East & very strong about 11.30 A.M. Rain came again along coast & so little sun-line & eventually rain descended & lasted at least an hour, & till 3 P.M., after which much hot sun & much cold E. wind & practically no by-weather seen after shower. Went by bus to Dollymount, where met F. O'Mahony at 10-20 & spent day, till 6.45 on The North Bull. Collected first by shaking along path just at end of sea-wall behind the C.F. Station where *Dacnusa* taken, then swept along with mesh & spent a long time looking for *Ichneumon* in the grass, though many of these & all the drains full of water after recent heavy shower, - later crossed golf links to strip between links & strand & swept water down & after lunch swept again on flat near Lady Ann's Bank, then back along salt marsh, but hardly anything out.

North Bull, Co. Du.

- 1 - Salt marsh for 1/2 mile from C.F. Station
- 2 - Dunes along links & next to strand
- 3 - Salt marsh between Curley's farm & Lady Ann's Bank

25.5.43, cont. North Bull, DU, cont.

Bombus spp. about a dozen heard, but none seen close enough to identify: except the ants no other Aruletes seen.

Myrmica ruginodis ♀♀ in many places at 1, 2 & 3.

M. scabrinodis 1 ♀ at 1, described.

Lasius niger ♀♀ at 2.

Taken at 1 (chiefly just beyond sea wall at C. & D. Road!)

Pezomachus 1 tiny ♂, ant. 18.

Theridulid 1 ♂, 1 ♀ = *Phradis* sp. minute ♂, but ant. 13 or 14?

♂ ant. 22.

Bracon concolor? ♂, small, immature, ant. 23, no pale marks on ^{middle} _{tergite}.

Aspilota (*Synaldis*) *pervicoris* ♂, ant. 19.

Dacnusa cf. *frugivora*? ♀ (7 ♂♂ ant. 21-22) + 2 ♀♀ (ant. 19-20).

D. areolaris? 2 ♂♂, 3 ♀♀: 1 ♂ (ant. 20) + 1 ♀ (ant. 20) with long pedicel, ant. 21.

Monocentrus canis 3 small ♀♀, 1 very small abd. ant. 13.

Aphidius spp. frozen, mostly ♀♀: 4 mounted =

A. pterocommae ♀, ant. 18. *A. matricariae*? ♀ (broken), ant. 14.

A. venosus (cf. *venosus* Hal.) ♀, ant. 17. *A. pumilus* var. ♀, ant. 16.

Proctos. 1 mounted.

Diptera. 3 *Stratiomyids* mounted =

Cynipids. minute sp. in salt-marsh: not mounted.

25.5.43, cont. North Bull, DU, cont.

Taken at 2. (27 mounted from 2 + those labelled 1.3.1943)

Pezomachus anthracinus 2 ♀♀, ant. 19 & 20.

Lib. vol. 1. 2 ♂♂ ch. along of *Salix repens*, beyond Lady Anne's bank, = *Limnoria aculeator*? 1 mounted, ant. 42, very slender ^{abdomen}.

Hemiteles cf. *epictetus* Th. 2 ♂♂: 1 mounted.

H.

Pimpla hirsuticornis ♂, ant. 22, black hind coxae =

Glypta sp.? many ♂♂, 4 ♀♀, chiefly about alder bushes!

near *Transtia* Th. 2 ♂♂, 3 ♀♀ ant. 20-23, seg.

Camptoplegid. 5. all mtd. = *Basidia* ♀, ant. 12.

Dacnusa " ♂, ant. 24.

Angitia ♂ & ♀, ant. 27 & 27. ♀ " ♂, ant. 28.

Theridulid: same spp. as on 17.5.43, pale legs sp. at alder & small dark sp. about *Lotus* ♂: none mounted!

Microctonus 2 ♀♀: 1 mounted, ant. 28.

Bracon concolor 2 ♂♂.

Aspilota 3 spp.: 2 mtd. = *A. glomerata* ♂ & *A. cf. longipes* ♂, both mtd.

Stenobothrus of *Lygaeus* from *Rail* in ^(cf. *Stenobothrus* *maculipes*) _(cf. *Stenobothrus* *maculipes*) (at 2) on 17.6.1943.

Aspilota subfasciata ♂ & ♀ in large sp. of *Salix* at land.

Agathis cf. *sp.* ♂, ant. 23, head thick with 11 seg. of ^{antennae} _{antennae}, sp. with ♀ from *Begonia* Wx.

25.5.43, cont. - N Bull, DW., cont.

Taken at 2. cont.

Euphorbia pallipes ? 1, ant. 22.

Perilissus ♂, black, same as 17.5.43.

Alysia manducator 1 large ♀, with 1 E.O.M.

Phaenocarpa ruficeps 1 ♀.

Spencera areolaris ? 4000.

Aphidius sp. 5.

Chalcid.

Ichneumon.

Diptera.

Sawfly. *Fenusa dohrni* ? abundant at the
back of alder: not at others: described by E.O.M.
all ♀♀: 6 mounted!

Taken at 3. [Concurred: none labelled 31.1.1945]

Phaenocarpa fulvipes ♀.

Atractodes ♂, ant. 19 } taken running on salt-pan

Idiastra maritima ♀, ant. 24 } the former 1/2 A.V.S. & latter 1/2 E.O.M.
wing almost clear. } & close together, just after house

Stenomacrus curvica 2 ♀♀

Pezomachus 2, both mtd.

Diptera 3 =

19.5.42. 68 *Aphidius* taken
at 11 P.M. in house,
14 *Baranilla* from
Hawthorn Rd. 20
2 *A. signatus* 20
2 ant. 13.

28th May 1943. First flower on Rose *Hamamelis*

last year's spread (3) - first in May, but
on 25th 1st flower on *Hamamelis* - inside it!
♀♀, *Baranilla* taken on it. *Hamamelis* in flower with!

30th May 1943. A beautiful day of sun & cloud, with
gentle W. breeze, which died away in late afternoon.
Then wind probably E. & strong, & showers appeared.
From 2.30 to 3.30, but no rain, but some came on 30th.
Rode to Ryegate & Royal Canal above bridge,
Co. KD., arriving at 12 noon exactly & home at
6 P.M., home 7.27, after a small sleep between
1.30 & 2.30 (Sat.) night, with wind & light rain
between midnight & 2 A.M. Sun very hot when
out, wind fresh & pleasant & not sultry.

Went in four places as follows: -
1. Side from road at Louisa bridge to Ryegate
on right bank of same & above aqueduct, a small
north amongst trees & river & along bank
at N. end of second field 12 till 1.40.
2. Flat around swamp on level of mineral spring at
top of station 1 (after lunch) 2 till 2.30.
3. Side of canal, two paths, 1.0 outside plantation
1/2 mile W. of Louisa bridge, R Canal, 3.0 till 4.0.
4. In the wall of plantation, a small 4.30 - 5.45
including part E of Mitchell's field site.

Wild Rose
not from
Concurred at 3!

30.5.43, cont. Rye Water, Co. KD.
 Taken at 1. [25 mounted from 1: the labelled 1245.]

Epitoma pygmaea ♂
Corymbus 10.

Pimpla "lunifrons" ♂
P. "lunifrons" Black ♀, ant. 24.
P. debilis group, small ♀, long terebra, ant. 23.
 = *Probaton* f. P. H.

Salixpygastris ♂ ant. 23.
Promethes ♂
P. dorsalis ♂
Zootropia ♂ ant. 20.
C. bellus 2:1 mtd. = *lunifrons* ♂ ant. 23.

Helictes ♂

Bracon fusiformis ♂ & ♀. ant. 24.
B. (Heterospilus) "lunifrons" ♂ ant. 24, dark legs, black terebra.
B. fulvipes ? dark ♂ ant. 24.
B. sp. near "lunifrons" ♂ ant. 24.
B. "lunifrons" ♀ ant. 25. NB. I have now come to the conclusion that *B. "lunifrons"* would be nearly a pair of the species! 23.9.45.

30.5.43, cont. Rye Water, KD, cont.
 Taken at 1, cont.

Apanteles Black of 2 ♂♂. not mounted.
Microplitis ♂ & ♀. not mounted.
C. "lunifrons" ♂ & ♀. ant. 24.
Euphorus ♂ & ♀. ant. 24.
Leptophan ♂ & ♀. ant. 24.
Opius irregularis ♂ & ♀.
O. "lunifrons" ♂ & ♀.
O. "lunifrons" small ♂, ant. 15.

Phaenocarpa confusaria ♀
Aspilota 2 ♂♂, 1 ♀ = *A. debilis* Thomson. 1 ant. 24, 1 ant. 22.
A. dentipes the smaller ♂, ant. 19, very slender.
A. "lunifrons" ♀, ant. 17.
A. (Heterospilus) "lunifrons" ♂, ant. 12.
Dacnusa ♂ & ♀. ant. 24.
D. affinis 1 ♀ with abnormal tergite 102; 23-24 ant.
D. "lunifrons" 3 ♂♂, ant. 28, 29 & 30-seg.
D. sp. near "lunifrons", ant. 36, ♀ =

Chorebus (= Chorsidius) lymphatus Hal. ♂, ant. 26.

[28 miles from 3 + then killed 5.2.1945]

30. 5. 43, cont. Royal Canal, Co. KD.

Taken at 3. (Blug came out of their smoke or very low
+ some escaped, but I saw none of them.)*Polybia ferruginea* 2 ♀♀.Small ♂, small fly, edge of water
= *Dacnusa areolaris* ♂.Bee of *no. discoloratus*, black legs, black body, ant. 29, 29.B. of *epithymus* group 1 ♀, black legs, ant. 30.Larva of *no. discoloratus* 1 ♀, ant. 39.Euphorus of *pellipennis* (18?), pale legs, ant. 30, paleP. of *pellipennis* (18?) ant. 30, black legs, black body.*Pentapleura rubripes*? ♂, ant. 30, black legs, black body.*Opius* of *calvus*? 3000, black legs, black body, ant. 30, 30.*O. cf. ruber*? ♂, ant. 32, black legs, black body.*O. proclivus*? small ♂, ant. 18.*O. discoloratus* group ♀, ant. 28, large discoloratus. Type 'ANS. 6.2.1945.*Pentapleura pumilio*, small ♀.*Orthocentrus discoloratus* with ♀, ant. 18, black legs, black body.*Aspilota rubripes* a beautiful ♀, ant. 16, 2 - white legs
run fast.*Dacnusa pubescens* ♂.*E. areolaris* group 2000 } not noted.*D. leptogaster*? ♂, ant. 31.

30. 5. 43, cont. Royal Canal, KD, cont.

Taken at 3, cont.

D. areolaris? 1 ♂, ant. 23.*D. cf. areolaris* 1 ♂, ant. 29, small, black legs, black body.*D. cf. areolaris* group? ♂, ant. black, 29, 29. black legs, ant. 29, 29.*D.**Aphidius* of *cruciatus*? ♀, ant. 17, black legs, black body.*A. cf. cruciatus*? not noted.*Cynipids* 4.*Chalcids* 3.*Cryptids* 2 (1 ♂).*Pentapleura maculatus* ♀. *P. discoloratus* (small) 1 ♂, ant. 30.*Chromocentrus talpa* ♂, ant. 30. *C. cf. discoloratus*? 1 ♂, ant. 22.*Pentapleura rubripes*? ♂.*Campoplegid* 3: 1 ♂ = *Parasitica* ♂, ant. 33.30. 5. 43. *Pentapleura maculatus* 1 ♂, ant. 30.

30.5.43, cont. Royal Canal, KD., cont.

Taken at 4. [35 m. to 100 m. below 8th Feb. 1943]

Barobaccha albicincta var. *albicincta* (1st inst.) 2, ant. 26.

Chironomus sp. 2 (1st inst.) 1, ant. 26.

Cryptine ? 2, ant. 23.

Basia sp. 1, ant. 23.

S. granulata or small, ant. 18.

Gomphus sp. 1, ant. 22 with abnormal tergite 3.

Psephenus sp. 1, ant. 22.

Mesochorus sp. 1, ant. 22.

To. sp. 1, ant. 22.

Phaenocarpa sp. 1, ant. 24.

P. cf. *versicolor* sp. 1, ant. 22.

Theridion sp. 1, ant. 21.

Rhyacionia sp. 1, ant. 22.

Phaenocarpa sp. 1, ant. 22.

P. cf. *versicolor* sp. 1, ant. 22.

Epitriptus sp. 1, ant. 22.

G. fabricei sp. 1, ant. 22.

Epitriptus sp. 1, ant. 22.

E. phaeus 3 sp. 1, ant. 22.

30.5.43, cont. Royal Canal, KD., cont.

Taken at 4, cont.

Opius sp. 1, ant. 22.

O. cf. *versicolor* sp. 1, ant. 22.

O. cf. *versicolor* sp. 1, ant. 22.

O. cf. *versicolor* sp. 1, ant. 22.

O. cf. *versicolor* sp. 1, ant. 22.

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O. cf. *versicolor* sp. 1, ant. 22.

O. cf. *versicolor* sp. 1, ant. 22.

O. cf. *versicolor* sp. 1, ant. 22.

O. cf. *versicolor* sp. 1, ant. 22.

30.5.43, cont. Royal Canal, KD., cont.

Taken at 12, cont.

Grasshopper *aphanta*, *melanocera*, *elegantula*,
pulchra, *areolaris* group, *examinata*.

D. fortis 2 ♀♀, not common, both taken.

D. talarii 1 ♂, ant. 21.

D. ... 1 large ♂, ant. 22.

D. ... 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

D. ... 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

D. ... 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

D. melanocera ♂, ant. 27.

Aphidius 11 ♀♀.

Proctos 15, including:

Dacnusa 2 ♂♂ + 3 other males.

Chalcids

Cynipids

30.5.43, cont. Royal Canal, KD., cont.

(Same as taken at 1, 2, 3 or 4: *colletes* mostly at 5 or 6.)

Proctos *lucorum*, *examinata* 2 ♀♀, ant. 22.

Proctos *superior* 1 ♂, ant. 22.

Proctos *fortis* 1 ♂, ant. 22.

Proctos *talarii* 1 ♂, ant. 22.

Proctos *...* 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

Proctos *...* 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

Proctos *...* 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

Proctos *...* 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

Proctos *...* 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

Proctos *...* 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

Proctos *...* 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

Proctos *...* 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

Proctos *...* 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

Proctos *...* 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

Proctos *...* 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

Proctos *...* 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

Proctos *...* 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

Proctos *...* 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

Proctos *...* 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

Proctos *...* 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

Proctos *...* 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

Proctos *...* 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

Proctos *...* 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

3.6.43, cont. Phoenix Park, DU., cont.
Taken at 1, cont.

Dacnusa spp. 10.

D. areolaris 2 ♂♂, *D. melanura* ♂, *D. adducta* ♂

D. areolaris 3 ♂♂, *D. areolaris* ♂

D. areolaris ♂, ant. 24.

D. (Gyrocampa) uliginosa ♂, ant. 28.

Coelinius cephalotus? ♂ small, ant. only, 16-seg.

Aphidius spp. in hundred, about 25 taken, but kept only:-

A. anthracinus? 1 ♀, ant. 19; 1 ♂, ant. 20.

A. ruginosus (= *cinctus* Hal.) 2 ♀♀, ant. both 16.

Proctos 2: both mounted.

Coleoptera *Leptus curvus* frequent - 1 mounted!

3.6.43, cont. Phoenix Park, DU., cont.
Taken at 2. [16 miles from 2 & the latter is a (1948).]

Exochus 1 ♂ with 1 ♀, ant. 21, ant. 21

= *Exochus* 1?

Microgaster agilis ♂ : 1 ♂, ant. 18, ant. 18.

Opius rubens? ♂, ant. 22.

Orthocentrus curvicauda? ♂, ant. 18, ant. 18.

Aspilota 2 fin. ♀♀

= *A. ruficornis* ♀, ant. 23.

A. praecipua ♀, ant. 28.

Dacnusa 11: nearly all *areolaris* & *longicauda* (2000).

D. cybele ♂, very near! ant. 36.

D. melanura ♀, reddish abdomen, ant. 24.

D. areolaris group ♂(?) ant. 27 & very long: =

Aphidius ca. 15, only kept:-

A. anthracinus Hal. 2 tiny ♀♀, ant. 13, tiny abdomen yellowish, etc.

A. ruginosus (= *cinctus* Hal.) 1 ♀, ant. 16.

A. ruginosus? 1 small ♂, ant. 16, ant. 16.

Proctos. 2: both mounted.

= *Dacnusa*

Stenobothrus

Coleoptera 1. *Meloidae* 1 =

3.6.1943, cont. Phoenix Park, Co. DU., cont.

Taken at 3. [34 mounted from 2nd then labelled on 12.2.1945!]
 Cryptids 12

Heptamelus ♂, small, ant. 21

Pezomachus ♀, small, ant.

Tylosomus parvatorius? 1 ♂, large ♂, ant. 22

Promethes cognatus ♂ + ♀

Homocidus pictus group, large ♀ = *lucicola*, ant. 22

Leucospis fulvicornis? ♂

Leucospis small ♀ = *Parabatus latipalpis* ♀, ant. 41

Rhyssalus circumscriptus ♂: not mounted

Euphorus apicatus 1 ♂, ant. 17

Catantopus tibialis? ♂, ant. 31, abnormal specimen? (by ant. 3 - small but interesting!)

Blacus longicornis (large ♂) ant. 22

B. f. trivialis ♂, ant. 20. ♂ of *pygmaeus* ♂, ant. 19

Opius conglobatus ♂

O. communis 3

Phaenocarpa ruficeps 2 small dark ♀♀. one mounted (the 2nd agnate antennae)

3.6.1943, cont. Phoenix Park, DU., cont.

Taken at 3, cont.

Aspilota 16: 14 mounted. *A. ruficornis* 2 ♂♂ (ant. 21, 22), 2 ♀♀ (ant. 22)

A. cf. ruficornis 1 ♀, ant. 20. *A. cf. ruficornis* (a small *ruficornis*?) ♂, ant. 23.

A. cf. ruficornis 2 ♀♀, large, small, ant. 19 + 17; 2 ♂♂, ant. both 22.

A. fuscicornis 1 ♂, ant. 16, 1 ♀, ant. 16.

A. picticornis? 1 ♂, ant. 21.

A. (Synaldis) ♂, ant. 22.

Daenusa 8, mostly *D. areolaris*, 2 ♀♀, 6 ♂♂

D. areolaris group: a large ♀ with long, strong ant. & dark legs =

D. leptogaster a fine dark ♀, ant. 27.

D. areolaris ♂, ant. 26.

Leucospis cf. major ♂, stout body, ant. 42.

Aphidius spp. cf. 25, kept only one or two

= *Trioxys latipes* ♂, ant. 12.

Pteron 4

Gynid 2

Diptera 2 =

6th June 1943. A beautiful, warm, soft day
with some cloud & much sun, no storm,
the warmest day of the year, perhaps! I found
but very little.

In afternoon rode to Clondalkin & of
Grand Canal, where collected in the usual
places, as follows:—

- 1 = Parallel ditch & edge of cornfield, below wall
of 3rd lock above Clondalkin, S. of Canal.
- 2 = Reed bed along edge of canal (S. side)
just above 3rd lock.
- 3 = Parallel drain S. of canal & strip between
it & canal, just W. of drain from gate,
1/2 mile above 3rd lock. All Co. DU.

Clondalkin, Co. DU.

Taken at 1. [16 mounted from 1 (+ 4 general) others labelled
18.2.1945.]

Delorus palustris ♀
Delorus vestigialis
Pentthredo nasomela ♂

Bothylus fuscicornis

Andrena imbecilis ♂

6.6.43, cont. Clondalkin, Co. DU., cont.

Taken at 1, cont.

Platylabus dimidiatus ♂, ant. 35. *Coratichneumon* ♂
Hemiteles ? ♂.

Bracon simulatrix ♂, ant. 19.

Coeligena fortipes ♂, ant. 28. ♂ & ♀ common

Gnathochorisis maculipes ♂, ant. 41.

Camptoplegid 2 ♀♀ =

Theridion 2 ♀♀ (1 ant. 16) = ant. 16.

Ophion crassicornis / P. M. S. = corn field, ant. 59, ♀.

Bracon sp. ♀, ant. 26.

Phaenocarpa virgatula 2 ♂♂, ant. 26.

Apanteles pallipes ♀: the ♀ has remarkable structure!!

Chalcid ♂, ant. 28, 1st antennae, ant. 28, large, 1st antennae!

Euphorus ♂, ant. 23.

Chalcid ♂, ant. 23.

Ophion 3 (all mounted) = *O. fuscicornis* Hal. ♀, ant. 18 & 2 small ♀♀, very
much alike but one more robust and the antennae with 18 segments, the other with 17 segments & one of
smooth tergite 1 compared to *O. fuscicornis*, both with 18 segts.

- *O. fuscicornis* ♂, ant. 36 & *O. fuscicornis* ♀, ant. 33.

Aspilota 3 = *A. ruficornis* ♂, ant. 28.

A. (Orthostigma) daemona ♂, ant. 19, small.

A. ruficornis ♂, ant. 18, 19 seg., leg. almost
black, head almost indented behind the eyes, 2nd cubital
cell very short.

1430

6.6.43, cont. - Clondalkin, DU, cont.

Taken at 1, cont

Dacnusa 5, all ♂♂, of *D. pubescens*?, *lapidaria*?
& *areolaris* " probably.

Chorebus *conspicua* ♂

Aphidius spp. common 12 taken, 1 mounted.

= *Aphidius* *artensis*? ♀, ant. 19.

Proctos 6.

Chalcids 3.

Cryptids 2

Taken at 2.

Bombus distinguendus ♀, very fresh, seen.

Cryptid ♂ =

Praon *degenerator* ♂ + 3000, 12 other species =

+ 13, 1 fundatrix (p. of *trifolii* group?); ant. 23, 24, 24, 24, 24, 24.

Opius *cruentus* ♂, ant. 25. *Dacnusa* *elegantula*? ♀, ant. 22.

Aphidius 2 ♂♂

Microctonus *rupestris*? ♂, ant. 17.

Chalcid 2: 1 mounted!

1440

6.6.43, cont. - Clondalkin, DU, cont.

Taken at 3. [42 from 3 captured 21.2.1943.]

Tenthredo *mesonota* ♂

T. lineata several seen

T. curvata group ♂ seen

Bombus *terrestris* & *Bombus* *agrorum*; ♀♀ seen

Cryptids 10: 2 mounted = *Atractodes*

+ ♂ of another genus, ant. 22, not shown, ant. 22 =

♂ & ♀, ant.
ant. 22 & 24.

Glypta *curvata* ♀

Tryphon 3: 2 mounted = *Tryphon* *neglectum* ♂, ant. 25. *T. brachymeria* ♂, ant. 24.

Chorebus? ♀ =

Chorebus 1 = *Chorebus* *rupestris*? ♂, ant. 27

Bombus *terrestris* ♂

Polyblastus spp. 2 ♂♂, one with red, the other black, hind femora, &
respectively with 25 & 27 seg. antennae =

10.6.43, cont. The Island, DU, cont.

Taken at 1, cont.

Brevia concolor (10.20.99) 12.

B. cf. bipuncta Wm. 2 black & yellow abd. segs, ant. 28.

B. unicolor "small, black 2, ant. 30.

B. "concolor" Thoms. 10 (ant. 27), 1 ♀ (ant. 21).

B. sp? 6 minute ♂, with 22 seg. ant., slender head, narrow thorax, black abd. but with ^{callosities} small.

Apariteles 5 = *A. pallipes* ♂. *A. sp?* ♀

A. sp? near *supra*, but with all cones black. ^{hairs} cones black, ocellated, also ocellum & lower half of pleura, etc. very distinct spines! 10.2.44.

Oxytelus obscurator 1 small ♀, ant. 28.

Perilitus settopus? (10.20.99) 8.

2 ♂♂, 2 ♀♀ mounted, with 27 & 28-segmented antennae respectively.

Meteorus cf. abjectus 2 ♂, large, black, 32 seg. ant.

M. leucostoma ♀, small, ant. 25.

Mesochorus ruber ♀, ant. 24. ^{very dark}

Opius 1 ♂, 1 ♀ (10.20.99) 6.

Allysiid 2 ♂♂, 2 ♀♀

Phaenocarpa ruficeps ♀.

[No *Aspilota*!]

Dacnusa areolaris group common, mostly 2 ♀♀

D. cf. longicauda? 1 ♂, 1 ♀, black hind coxae, no legs, ant. 22 & 21.

D. pubescens ♂. *Psilochrysis* ♂, ant. 23.

Feb. 2, 1900 mounted & then one retained, with small remnant in the abdomen. What is it? hind legs are small. Black. Antennae 22 & 21, also small! in part yellow, mouth, thorax, legs & hind coxae yellow. One small, black, hind coxae, 1 ♀, 1 ♂, small. Taken AWS. 26.2.45.

10.6.43, cont. The Island, DU, cont.

Taken at 1, cont.

D. cyclops 5 or 6. ^{very small, 1st seg. ant. 22, 2nd seg. ant. 21, 3rd seg. ant. 20, 4th seg. ant. 19, 5th seg. ant. 18, 6th seg. ant. 17, 7th seg. ant. 16, 8th seg. ant. 15, 9th seg. ant. 14, 10th seg. ant. 13, 11th seg. ant. 12, 12th seg. ant. 11, 13th seg. ant. 10, 14th seg. ant. 9, 15th seg. ant. 8, 16th seg. ant. 7, 17th seg. ant. 6, 18th seg. ant. 5, 19th seg. ant. 4, 20th seg. ant. 3, 21st seg. ant. 2, 22nd seg. ant. 1.}

D. settopus 1 ♂, 1 ♀.

D. cf. pubescens ♂, ant. 22, legs yellow.

Exochus ruber 3 ♂♂, 2 ♀♀. ^(all mounted, 27.4.44, but one mounted, 19.4.45. Recorded as 1 ♂ & 1 ♀ in 1944!)

Ephedrus plagiator & minor, 1 ♂, 1 ♀.

small, small, 1 ♂, 1 ♀. ^{Recorded as 1 ♂ & 1 ♀ in 1944!}

Aphidius spp. about 30 specimens. ^{mostly small}

A. matricariae Hal 2 ♂♂, 1 mounted. ^{1 ♂ & 1 ♀! AWS. 3.4.45}

A. phaeosoma? 1 ♂, ant. 12. AWS. 2.4.44.

[No *Proctos*!]

Cynipids 2.

Chalcids 4.

10.6.43, cont. The Island, DU., cont.

Taken at 2. [17 mounted from 2 others labelled in 1945]

Cryptus 2. 6.

Mount none at 1, but 2 of *Haritula* of 1st

large and forelegs & with mounted: none mounted

Attractodes 1, ant. 24.

[*Proctos* *peripartus* ♀, ant. 24 + *Dysleptus* ♂, ant. 24, at 102]

Can *Hyphid* 7: none at 1, but 1 at 102.

[*Paniscus* *milanensis* ♀, ant. 30, at 102?]

Theridion 1: not mounted.

Brachymeria *remota* ♂ & ♀ common: 10.

B. remota II: small ♂ mounted, small abdomen, ant. 22.

B. remota ♂, ant. 19.

Apanteles *fulvipes* group 5: not mounted.

Microplitis of *bonapartei* ♂, black.

Pimpla *extrema* 2: both ♂.

Meteorus *fulvipes* ♂, ant. 34: none at 1.

M. fulvipes ♀, ant. 30.

10.6.43, cont. The Island, DU., cont.

Microplitis *extrema* ♂, ant. 34: none at 1.

Microplitis *extrema* ♀, ant. 33.

Alysia *maculata* large, 1 small ♂

Dacnusa *areolaris* group 6

D. fulvipes 1: small ♀.

D. fulvipes ♂, ant. 25.

D. fulvipes ♂, ant. 24: none at 1, but 1 at 102.

Proctos *remota* ♂ & ♀, ant. 48 + 33 respectively, and

large specimen the other taken at 1.

Aphidius 2: none mounted.

Proctos 2: both mounted.

Chalcid 1: none mounted.

Cryptus 5.

16th June 1943. A hot & good day. Went to bank for a walk, after dinner of course, & went N.W. to the old dunes. Wind west with strong & steady rain. Sun in evening but heavy at 12.45, 2.0 & 3.0 rain & light - mainly for rain then.
 Went by 10.55 bus to Helix & by ferry to The Blund. on 10th, but the bus never went & went along seaward edge of the old dunes & later round golf links & returned by ordinary to catch 6.20 bus home (at 7.15).
 After walk when the wind dropped completely & it was very quiet & much sunlight & many insects out, but the first & last hours rather spoiled by strong cool wind - this being the only time the vegetation was quite dry - & so small insects kept low & only the strongest swept.

- 1 = from golf club-house along seaward edge of the old dunes nearly to N end of golf links
- 2 = area between highest dunes & the sea at N end of 1.
- 3 = edge of dunes along estuary back to club-house & cliff - 1/4 mile west of latter.

16. 6. 43, cont. The Blund, Helix, Devon, cont.
 Taken at 1. (see 1) [22 sent from 12th July 3.3.1945]
Bombus lapidarius ♀♀ seen.
B. lucorum ♀♀ seen [3 *terrestris* ♀ at 2]
B. ruderarius ♀♀ + 1 ♀ seen.
 [Andrena albicans ♀ on nigella at 2]
Colletes cunicularius ♂♂ abundant.
Halictus confusus ♂♂ swept off dunes.
Psithyrus ♂♂, ♀♀ & *phylloscopus*, (small seen)
 [Odynerus *tricornis* ♂ swept at 2]

Bethylus of several sizes, [1 taken with very pale front legs & antennae, at 3]
Anteon sp. ♂♂ common.

Diapriids ? [2 with 1 ♂ 1 ♀ (1st ant.) at 27.]

Cryptinids common, but kept only 3 - 1 ♂ = 1 ♀ with dark wings (one of a taken at Helix on 24.7.43!)

=
Goniozygus papaver ? 1 ♂, 1 ♀, ant. 29 & 27. segmented.

16.6.43, cont. - The Island, DV. cont.

Taken at 1, cont.

[No *Phaenocarpa* seen at all!]

Proctos *curvatus* 1 ♀, ant. 18.

Proctos *capitatus* 1 ♂.

Mesochorus 1, ant. 41.

Anomalid 1 = *Anomalus curvatus* Grav. ? ♂, ant. 37.

Mesochorus 1, ant. 41.

Chalcid 1, ant. 21.

Chalcid 1, ant. 21.

Chalcid 1, ant. 21.

Chalcid 1, ant. 21.

Chalcid 1, ant. 21.

Chalcid 1, ant. 21.

Chalcid 1, ant. 21.

Chalcid 1, ant. 21.

Chalcid 1, ant. 21.

Chalcid 1, ant. 21.

Chalcid 1, ant. 21.

16.6.43, cont. - The Island, DV.

Taken at 1, cont.

Euphorus 1, ant. 18.

Proctos *curvatus* 1 ♀, ant. 18.

Proctos *capitatus* 1 ♂.

Opus *curvatus* 1 ♀.

Aspilota *curvatus* 1 ♀, ant. 18.

Aspilota *curvatus* 1 ♂, ant. 18.

Aspilota *curvatus* 1 ♀, ant. 18.

Aspilota *curvatus* 1 ♂, ant. 18.

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Aspilota *curvatus* 1 ♂, ant. 18.

Aspilota *curvatus* 1 ♀, ant. 18.

Aspilota *curvatus* 1 ♂, ant. 18.

Aspilota *curvatus* 1 ♀, ant. 18.

16.6.43, cont. - The Island, DU., cont.

Taken at 3, cont.

Bracon anthracinus ♂ & ♀ - not mounted
B. areolaris 5 ♀♀

Apanteles 2 (♂ & ♀)

Mesochorus 1 (♂) 1 ♀

Pentapleura anthracinus ♂ & ♀

Bracon anthracinus ♀, ant. 14

Opius cf. *sericeus* ♂ & ♀, ant. 24, black wings.

Dacnusa 3 only = *D. areolaris* group ♀ & ♂

D. areolaris ♂, ant. 23, only mounted.

Coelinius viduus ♂ & ♀, not mounted.

Aphidius spp. 7: both ♂ & ♀ = 14, cf. *roseus* (ant. 8, 11)

A. brevis ♀, ant. 14. *A. chrysanthemi* ? ♀, ant. 14

Rostus 2: ♂, 1 mounted.

Chalcids: many, e.g. *Chalcid* to call on 1 dozen or more
 many *impluvium* group taken during afternoon tea
 on Daisy's white waterproof spread on ground. Also
 one specimen with stalked abdomen.

16.6.43, cont. - The Island, DU., cont.

Taken at 3, cont.

Trypoxylon 5 or 6, not mounted.

Bathysa furcata var. *fulvicornis* ♂, small.

2.8 June 1943 Very windy - SW-S - with rain
 blowing in the wind & showers in afternoon, after
 a fine night & morning. Rode (alone) to Brittas
 park, intending to go to Blessington, but changed my
 mind on going round & heavy clouds & rain
 to south over Blessington. Therefore turned back along
 the road down Slade of Saggart & spent the day
 in upper part of the Slade in shelter of trees, with
 gale & rain too. Though the afternoon was
 no doubt best done many insects. Filled up as follows: -

13 along old road & in lee of hedge in Loughfield at 16.
 side of farm in angle between new & old roads to
 Blessington, from Brookstown & Saggart respectively.
 Insects taken here labelled "Brittas, Co. DU."

- 20.6.43, cont. Britton & Slade of Suggart, Co. DU, cont.
 2 = extreme upper part of Slade of Suggart, along road on left (100 ft.) back of stream, but not down at stream level.
 3 = 2nd hundred yards along road, N. of 2.
 4 = 3rd hundred yards along road, N. of 3.

[All sweeping done on level of road, on flat under trees & off lower branch of trees, & none by the stream & none in lower part of Slade where I don't usually collect (i.e. along old rough road from bridge at foot of Slade to present road from Suggart).]

Left for home at 4.33 (Jed's Pinet & reached home at 5.55 exactly, with gold beetle etc.)
 Taken at 1. "Britton, Co. DU." (1) 20.6.43

[26 mounted from 1 & then labelled 11.3.1945!]

Euphranta 2 ♂♂, one mounted. *Leptocryptus* 2 ♂♂, ant. 22

Stenomacrus *larvicis* 2 ♂♂, 2 ♀♀, ant. 26-27 & 22, 27-28 & 28.

Homocidus *signatus* ♂: not mounted

Mesochorus ♂, not abdomen, ant. 34

Stenobothrus? ♂, with small ant. 22 = *Stenobothrus* ♂?

Mesochorus ♂ & ♀, ant. 41 & 39 = *M. vittator*?

Campoplegid 1 ♀ } not mounted

Microplitis 1 ♂

20.6.43, cont. Britton, Co. DU, cont.

Microplitis 2 ♂♂, not mounted

Apanteles 1 ♂, 2 ♀♀ = *A. 10.6.43* ♂ & ♀

Apanteles 2 ♂♂, 2 ♀♀ = *A. pallipes*?

Euphranta 1 ♂, 1 ♀, ant. 18, small pale winged, very small & slender

Leptocryptus 2 ♂♂, not mounted

Opis 1 ♂, not mounted

C. 10.6.43 ♂, not mounted

Adelius *flaviventris* ♂

Aphidius *unicoloris* ♀, ant. 26

Aspilota 1 ♂, 2 ♀♀ = *A. 10.6.43* ♂ & ♀, ant. 19, 20 & 21

A. 10.6.43 ♂, ant. 19

A. 10.6.43 ♂, ant. 19, small pale winged?

Stenomacrus *telensis* 1 ♂, ant. 28. *Catantops* ♀, ant. 39. *D. 10.6.43* ♂, ant. 21

D. 10.6.43 ♂, ant. 26. *D. 10.6.43* ♂, ant. 26, not mounted

D. 10.6.43 ♂, ant. 21

Aphidius off 7: 2 mounted = *A. 10.6.43* ♂ & ♀, ant. 13

A. 10.6.43 ♂, ant. 19

Praon 2, both mounted

Chalcid 2, not mounted

Cynipid 2, not mounted

Chalcid off 7
Trichobius 1 ♂
Trichobius 1 ♀

10-6 43, cont. Sliding Saggart, DU.

Taken at 2. [28 mounted from 2; also 10 'general' probably from 2 but not so marked; all these taken 13.2.1945.]

Tenthredo nemoralis ♀

T. pennsylvanica ♂

Epitoma pygmaea ♂

Cryptus ♂ } none mounted, except 1 ♂ *C. berytus*?

= *C. berytus* ♂ ant. 26 (1st abdominal seg. 1st, 2nd)

Tryphon incestus? 1 ♂, ant. 34

Pachyschelus filicornis ♀, ant. 41.

Stenomacrus ventralis ♀. *Adelognathus* *carinatus* 1 ♀, ant. 4.

Promethes ventralis ♂, ant. 25.

Microctonus sp. ♂ & ♀.

Pimplid ♀ = *Pimpla latipennis*? ♀, ant. 41.

Bracon sp? ♂, ant. 26: cf. *B. aphanta* ♂ & ♀.

Colastes bracon ♂.

Euphorus cf. *fulvipes*? 2 ♀♀ (1?), ant. 19 & 22; very small nodes.

Metacoelus scutellator, dark ♀, ant. 31.

Blacus laevipennis? 2 ♀♀, ant. 17.

Leucospis capitata ♂ & ♀. *Zethenia discolor* ♀, 2 sp. off. base.

Opius *varicornis* ♂, ant. 19.

Orthocentrus annulatus ♀, ant. 20.

very fine specimen with well marked 11 seg. ant.

10-6 43, cont. Sliding Saggart, DU, cont.

Taken at 2, cont.

Proctos 12 = *A. tingensis* ♂. 1 small 21 beautiful ♀, ant. 19 & 20, important!

A. cf. nigripennis ♂ 2 ♀♀, one with dusky, one pale legs, ant. 18 & 17. *A. pennis*, dark ♀, ant. 17.

A. pennis ♂, ant. 18; possibly one of 2 above. *A. indigens* { very small ♀ with 17 seg. ant.

A. tenuis ♂, ant. 18; 1 ♀ (ant. 17); ♂ with typical black punctation.

A. cf. duplicata ♂ & ♀, ant. 18 & 17; ♂ with 4 segments, pale, antennae 2-seg. ant. strongly marked diaph. 17-seg. ant.

A. fusca ♂: 2 tiny pairs (♂ & ♀), ant. both only 15, with dark spiracles.

Phaenocarpa ♂, mostly *crucians* group. 1 ♂ included.

D. cf. laevigatus ♂

D. cf. near exilis ♂, ant. 26: the only *Dacnusa* ♂ mounted from 2!

=

Aphidius *pinus* ♂ & ♀. 1 ♀.

Proctos ♂: 2 mounted, of which one is very small, almost wingless, with 2-segmented club at apex of antennae.

Chalcids 3 } none mounted.
Cynipids 3 }

[Dipteron =] [3 ♂ = *Nomada ruficornis* ♂]

[Two black beetles = *Corymbites quercus* (black) + *Colletes marginatus* (all known var.)]

[Hemipteron =]

20.6.43, cont. Slide of Sappant, DU., cont.

Taken at 3. [52 mounted from 2 - these labelled 17/3/45.]

Cryptinae 7: Smutted = *Phygadeuon*?

Hamulid ♂, ant. 21. *Hamulid*

Sp. of ♂, ant. 21 =

" " ♂, ant. 21 =

Pimpla flavicornis ♂, ant. 21.

Glypta ♂, ant. 32.

Stenomacrus *levis* ♂, ant. 22.

Echthra *ovatus* ♀, ant. 25.

Homocidus *gustator*? ♂, ant. 25. or an extremely pale specimen of *gustator*?

H. gustator ♀, ant. 24.

H. collinus *dup.* ♀, ant. 19.

H. longicornis ♂, ant. 22.

Atthya *confusa* ♂, ant. 30.

Phaenocarpa ♂, ant. 33.

Phaenocarpa ♂, ant. 33. *Pamphilius* ♀, ant. 33.

Phaenocarpa ♂, ant. 33. *Phaenocarpa* ♂, ant. 33.

Phaenocarpa ♂, ant. 33.

Phaenocarpa ♂, ant. 33.

Phaenocarpa ♂, ant. 33.

Phaenocarpa ♂, ant. 33.

20.6.43, cont. Slide of Sappant, DU., cont. Taken at 3!

Enicospilus *bracconius* ♂, ant. 33.

Rhyssalus *neglectus* ♂, ant. 45.

A. of *neglectus* var. ♀, ant. 39.

Aparite *ratum* ♀.

Euphorus *phages* ♂, ant. 33.

Microgaster *phages* ♂, ant. 33.

Blacus 10 (♂♂ & ♀♀) = *B. pygmaeus* ♂, ant. 20.

B. of *pygmaeus* ♂, ant. 19 + 4 (supposed ♂♂) (ant. 20 & 21 & 22 & 23).

B. of *tubicola* 2 (supposed ♂♂, ant. 19; my 1st thing of the day)

Diapars *capita* ♂.

Opius *victus* ♀, ant. 33.

Glypta *inconspua* ♂, ant. 39.

Phaenocarpa *capita* ♂, ant. 33.

Aspilota 7: = *A. prae* ♂, ant. 33.

A. of *prae* ♂, ant. 33.

A. of *prae* ♂, ant. 33.

A. of *prae* ♂, ant. 33.

Orthostigma *of* *prae* ♂, ant. 33.

Gasterocercus *adducta* 2 ♀♀.

D. melanocera? ♀, ant. 33.

Praon *volucre*? 1 ♀.

20.6.43, cont. Slade of Saggart, DU., cont.

Taken at 2, cont.

Proctos 10: 4 mounted =

Chalcids 5: 1 mounted =

Cynipids 12: none mounted!

Taken at 4. [38 mounted from 42] these labelled 21.3.45.

Aphidius ♂.

Cryptine ♀: includes *Pezomachus*

Hemiteles gracilipes 2 ♂♂, ant. 22 & 23.

Exochus 2 ♂♂, ant. 20.

Stenomacrus laticornis ♀, ant. 27.

St. cf. pallipes? ♀, ant. 22.

Pentapleura filicornis? ♂.

Exochus ♂.

Exochus ♂, with 1 ♂, long antennae, 37 segments!

20.6.43, cont. Slade of Saggart, DU., cont.

Taken at 4.

Phaenocarpa 3 = 1 ♂, 2 ♀♀.

Colletes braconator ♂.

Acrotia subpicea? 1 ♂.

Euphorus fulvipes? 3, ant. 21, 22, 23.

Microctonus cf. *sp.* ♀, ant. 22.

Blacus 1 ♂, 2 ♀♀ = 1 ♂, 2 ♀♀.

Opomyza cf. *laticornis* ♂, ant. 22, small.

Aspilota 11 = *A. ruficornis* 2 ♂♂, ant. both 24: very small.

A. fuscicornis? 1 small ♂, ant. 18. *A. melleicornis* ♀, ant. 15. *A. tenebricola* 1 small ♂, ant. 17.

A. principis 1 small ♀, ant. 25. *A. crassipes* ♀, ant. 24.

A. fuscicornis 1 small ♀, ant. 20. *A. ruficornis* 1 ♂, ant. 21, small. *A. ruficornis* 1 ♂, ant. 17, pale legs, ant. 17, small.

A. ruficornis 1 ♂, ant. 17, pale legs, ant. 17, small.

A. ruficornis? 1 ♀, ant. 21.

Beauveria cf. *sp.*? on *Chalcid* ♂, ant. 22.

Stenomacrus ♂, ant. 25 & 26.

Ephedrus lucidus ♂: the 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st, 32nd, 33rd, 34th, 35th, 36th, 37th, 38th, 39th, 40th, 41st, 42nd, 43rd, 44th, 45th, 46th, 47th, 48th, 49th, 50th, 51st, 52nd, 53rd, 54th, 55th, 56th, 57th, 58th, 59th, 60th, 61st, 62nd, 63rd, 64th, 65th, 66th, 67th, 68th, 69th, 70th, 71st, 72nd, 73rd, 74th, 75th, 76th, 77th, 78th, 79th, 80th, 81st, 82nd, 83rd, 84th, 85th, 86th, 87th, 88th, 89th, 90th, 91st, 92nd, 93rd, 94th, 95th, 96th, 97th, 98th, 99th, 100th.

20 June 1943, cont. - Slade of Saggart DU cont
 Taken at 4. cont.
 Pringle & I mounted.

Chalcids 2:1 mounted & I with most birds, but a few birds & some
 at 10:00; especially did a Myadestes =
 by 1:1 at 10:00.

21 June 1943. A fine sunny day, 58° at 10:00, 54° at 4:00.

Chalcids

On the day a 3rd Bombus lucorum was seen, with 2
 others in the garden. One of the 11. 11. 11.

Could the 1st have been a young specimen? (Pringle says)

22 June 1943. Warm, 60° at 10:00, 58° at 4:00, with
 sun glowing in forenoon, but sunny & a bit
 in afternoon, with one slight shower at 4 PM.
 at Lunc. Saw first of Bombus (B. lucorum)
 at 6:30 PM. in Thyme in front garden
 of 4 Clareville Rd. Harold's Town, DU.

22 June 1943. The weather was hot & sunny.
 On the day, 60° at 10:00, 58° at 4:00, with
 sun glowing in forenoon, but sunny & a bit
 in afternoon, with one slight shower at 4 PM.
 at Lunc. Saw first of Bombus (B. lucorum)
 at 6:30 PM. in Thyme in front garden
 of 4 Clareville Rd. Harold's Town, DU.

1 = Lower part of same section, but the 1st section.
 2 = Upper part; see above.

Lunc. Bombus, C. DU.

Taken at 1. <sup>[33 mounted from 1
 8 times labelled
 24. 2. 1943. Small
 previously labelled!]</sup> Apanteles
Acuteatus not looked for & recorded not noted
 & the only one of interest seen in a 1st Hydromet on
 1st H. communis, which had a Geopis hand.
Geopis clavicornis & Conspicua at 2.
 The birds a Myadestes & Geopis.
Atthis 10:00 seen

[33 black & yellow sawfly-like by description, seen at 2. Scrophularia
 by river a bit above weir, but could be a Salix]

22.6.43, cont. Lucas, D.V., cont.
 Taken at 1, cont.
 Cryptids 6.

Pimpla depuncta ♀, ant. 22. *P. maculata* ♀, ant. 23.
Triclistus cinctus ♀, ant. 33.
Monoblastus angulatus Th. ♀, ant. 34.

Mesochorus ♀, ant. 29.
Campoplegid 2 ♂♂
Phaenocarpa ♂ =

Bracon aphidivorus? ♂, ant. 29.
Collyphus thurberii ♂, ant. 32.
Sigalphus sp. 2 ♂♂.

Euphorus fulvipes? 4 (1 ♂, 3 ♀♀): ant. all 16.
Microctonus ♀? ♂, black, small, ant. all 17.
Pentastemon sp. ♂, very small, black, ant. 23.

Microctonus? 2? legs ♂, red legs, black, ant. 23.
Diachasma? legs ♂, red legs, black, ant. 23.
Opius flaviceps miki ♀, ant. 30 (? *O. aculeator* Thoms.)
O. communis

Orthocentrus curvicauda? ♀, ant. 20, legs black & dark for ♀.
Aspilota (Synaldis) *parvicornis* ♂, ant. 19, very black legs.

22.6.43, cont. Lucas, D.V., cont.
 Taken at 1, cont.

Aspilota cf. *prova* ♂, ant. 22. *A. cf. chloris*? 1 ♂, ant. 22.
Bracon cf. *apiculator*? abundant, mostly ♂♂.
D. fulvipes 2 ♂♂

D. cyathiger? 1 ♂, ant. 22.
D. helena 1 ♂, ant. 22, legs 2 very strongly sculptured.
D. longipes 1 ♂, ant. 22, legs 2 very strongly sculptured.

Chasmodon *unifasciatus* ♂, ant. 32.
Ephedrus *lucorum* ♂, 2 ♀♀.
Aphidius ♀: 2 mounted =

A. arcticus? 1 ♀, ant. 18 seg. antennae; also? 1 ♂, ant. 20.

Praon 5: 1 mounted =
Colletes 3 = *Colletes* *lucorum* ♂, 1 ♂, 1 ♀, all 16 seg. antennae and legs.
Mesochorus *lucorum* 2 *Diaprius* *nubilosus* L.

Chalcids 5 } 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀.
Euphorus 5.

22.6.43, cont. Lucan, Co. DU., cont.

Taken at 2. [33 mounted from 2 & then labelled 27.3.1945]

Platylabus dimidiatus ♂, ant. 35.

Phaenocarpa = *hirsuticornis* sp. n. ? ♂, ant. 27.

Cryptinae 2 ♂♂.

Bombus terrestris ♂. *Homocidus pallipes* ♀.

Tryphon timbalium 1, ant. 33.

Dacnusa ♂, ant. 22.

Pentapleura ♂, ant. 21.

Bracon anthracinus ♂ & ♀.

B. cf. *torvus* ? ♀, very small, ant. 18.

Colastes brevicornis ♂.

Apanteles fulvipes group ♂.

Sigalphus cf. 3 ♂♂.

Meteorus areator ? 1 ♂, ant. 29. *M. subaenariensis* ? ♂, ant. 28.

Microgaster speculatus ♀, ant. 26.

Centistes dimidiatus ♂.

Opius nigripes ♂.

Aspilota ruficornis ♀, ant. 23.

A. proxima ♀, ant. 21.

22.6.43, cont. Lucan, DU., cont.

Taken at 2, cont. *Dasineura fortis* ♀, small, ant. 39.

D. areolaris group. *Chorebus*, mostly ♂♂.

D. elongatula ♀, ant. 38. *D. subaenariensis* group ♀, ant. 26.

D. cybele group 1 ♂, ant. 30.

D. rufipes ♂, ant. 24.

D. rufipes group 1 ♂, ant. 38 =

D. cf. rufipes ♂, ant. 24.

Microgaster ruficornis ♀.

Aphidius spp. 3 mounted as follows:

A. cf. rufipes ? ♂, ant. 21.

A. cf. proxima ? ♀, ant. 17.

A. ruficornis group (cf. *ruficornis* Hal.) ? ♀, ant. 16.

Pentapleura 6 (all mounted) including *Pentapleura ruficornis* 1 ♂, small, ant. 21.

Cryptinae 2; no tubercles mounted =

Colletes 1 =

24th June 1943. A fine day till 5 P.M., then
 rain & wind & blowing, but settled by
 very strong SE wind, which turned SW,
 about 4 P.M.

Went all day to 10.15 to the
 station to the Island, arriving at 11.00.
 Made my first trip to the island, the wind,
 so both children with me, staying first,
 but my little son & his son at the island
 till after 1 P.M., then all coming back
 3.0 P.M. Swifts in the area as follows:-

1. Edge of dunes along the estuary, as far
 as the first old field.
2. Between of grasslands across golf links
 to high dunes where *Clanville* dunes, where
 had lunch & the east of the to back
 to head of inlet near Tern colony &
 back to *Clanville* dunes. Very nice ground
 for *Pompilidae* & *Staphylinidae* just SE of *Clanville* dunes.
3. Old fields & shore of same along estuary
 to old N. of station 1.

24.6.43 cont. The Island, including, to the
 back of the island.

P. lucorum 4.8 & 3.2.
Centurus *republicus* 2.4.4.4.
Centurus *republicus* 2.4.4.4.
Centurus *republicus* 2.4.4.4.
Centurus *republicus* 2.4.4.4.
Centurus *republicus* 2.4.4.4.
Centurus *republicus* 2.4.4.4.

Pompilidae *republicus* 2.4.4.4.
Pompilidae *republicus* 2.4.4.4.

Centurus *republicus* 2.4.4.4.
Centurus *republicus* 2.4.4.4.
Centurus *republicus* 2.4.4.4.
Centurus *republicus* 2.4.4.4.
Centurus *republicus* 2.4.4.4.
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Centurus *republicus* 2.4.4.4.
Centurus *republicus* 2.4.4.4.
Centurus *republicus* 2.4.4.4.
Centurus *republicus* 2.4.4.4.
Centurus *republicus* 2.4.4.4.
Centurus *republicus* 2.4.4.4.

Mostly taken at 2.4.4.4.
 others noted.

24.6.43, cont. The Island, Salisbury, DU, cont.

Taken at 1, cont.

Thymus of the 1st not known det. of course. 3 ♂, ant. 27.

Stenobothrus 3: the mounted = *Stenob.* 24.6.43, ant. 27.

Perilissus 2 (3 sp.)

Phaenocarpa 1 ♂, long tube, pale

Prion 1 ♂

Hyemum 1 ♂, ant. 22.

Apanteles 3: one with white wings 1 ♂, mounted =

Chelonus 2: 1 ♂, ant. 20: spec. fine, well!

Perilissus 2: 1 ♂, ant. 20.

Metacoelus 1 ♂, ant. 28.

Microgaster 1 ♂

Stenobothrus 1 ♂, ant. 27. 5: 1 ♂, ant. 27. 1 ♂, ant. 27.

Stenobothrus 2: 1 ♂, ant. 27, ant. 24.

Aphidius 1 ♂

[No *Phaenocarpa*]

Chalcids 7.

24.6.43, cont. The Island, DU, cont.

Taken at 2: (2 ♂ mounted from 2: the labelled 20.6.43-1)

Stenobothrus 2: 1 ♂, ant. 27: only 1 mounted =

Stenobothrus 1: 3 ♂, ant. 27: 1 ♂, ant. 27: 1 ♂, ant. 27.

Stenobothrus 1: 1 ♂, ant. 27.

Stenobothrus 1: only 1 mounted = *Stenobothrus* 1: 1 ♂, ant. 27.

Stenobothrus 1 ♂, ant. 37 =

Stenobothrus 1 ♂, ant. 27.

Stenobothrus 3: 1 ♂, ant. 27.

Stenobothrus 1 ♂, ant. 27. 1 ♂, ant. 27. 1 ♂, ant. 27.

Apanteles 1 ♂, ant. 27. 1 ♂, ant. 27. 1 ♂, ant. 27.

Stenobothrus 1 ♂, ant. 27. 1 ♂, ant. 27. 1 ♂, ant. 27.

Stenobothrus 1 ♂, ant. 27. 1 ♂, ant. 27. 1 ♂, ant. 27.

Stenobothrus 1 ♂, ant. 27. 1 ♂, ant. 27. 1 ♂, ant. 27.

Stenobothrus 1 ♂, ant. 27. 1 ♂, ant. 27. 1 ♂, ant. 27.

Stenobothrus 1 ♂, ant. 27. 1 ♂, ant. 27. 1 ♂, ant. 27.

Stenobothrus 1 ♂, ant. 27. 1 ♂, ant. 27. 1 ♂, ant. 27.

Stenobothrus 1 ♂, ant. 27. 1 ♂, ant. 27. 1 ♂, ant. 27.

21.6.43, cont. The Island, Islet, D., cont.

Taken at 2, cont.

Dacnusa areolaris group. 2: not mounted.

D. glabra 1 ♂, ant. 29. *D.* ? (ant. 33) + 1 ♀ (ant. 37).

D. glabra minor 1 ♂, ant. 27.

D. reticulata 1 ♂, ant. 29.

Coelinius viduus ♂♂ + ♀♀: 1 ♂, 2 ♀♀ mounted, ant. 42, 31 + 32 ant.

Aphidius sp. 1 ♂, ant. 29. } none mounted

Proctos 1

Chalcids 4: 1 mounted =

Taken at 3. [9 mounted from 23 then labelled 31.3.45]

Phaenocarpa albicincta 20

Exochus 2000

Helorus 20, ant. 26.

Bracon areolaris ♂♂ + ♀♀: 1 small ♂ (ant. 22) mounted, rest all about 20 ant.

C. variator 20, ant. 30. *Homocidus* 20, ant. 20.

Pentapleura 20, ant. 21. *Allysiid* 20, ant. 21.

Dacnusa areolaris group 20, ant. 29. *D. glabra* 20, ant. 29.

Aphidius 20, ant. 29.

Proctos 1 = *Gasterocercus* sp.

Chalcids 20

Leptocryptus 1.

26.6.1943. Taken by E. O. O'Sullivan at St. Anne's, Howth, Dublin.
Bracon cf. *areolaris* 1 ♂, ant. 22.
Opisus 20, ant. 21.
Coelinius n. sp. 2 ♂♂, ant. 42, 31.
Gasterocercus sp.

27th June 1943. The second day collecting the day.

During the first half of the day, mostly in the garden.

Many *areolaris* group taken in garden, mostly in the garden.

The following were taken in the garden.

Hyalocampa 20, ant. 29. *Hyalocampa* 20, ant. 29.

Hyalocampa 20, ant. 29. *Hyalocampa* 20, ant. 29.

Hyalocampa 20, ant. 29. *Hyalocampa* 20, ant. 29.

Hyalocampa 20, ant. 29. *Hyalocampa* 20, ant. 29.

Hyalocampa 20, ant. 29. *Hyalocampa* 20, ant. 29.

Hyalocampa 20, ant. 29. *Hyalocampa* 20, ant. 29.

Hyalocampa 20, ant. 29. *Hyalocampa* 20, ant. 29.

Hyalocampa 20, ant. 29. *Hyalocampa* 20, ant. 29.

Hyalocampa 20, ant. 29. *Hyalocampa* 20, ant. 29.

Hyalocampa 20, ant. 29. *Hyalocampa* 20, ant. 29.

Hyalocampa 20, ant. 29. *Hyalocampa* 20, ant. 29.

Hyalocampa 20, ant. 29. *Hyalocampa* 20, ant. 29.

Hyalocampa 20, ant. 29. *Hyalocampa* 20, ant. 29.

Hyalocampa 20, ant. 29. *Hyalocampa* 20, ant. 29.

Hyalocampa 20, ant. 29. *Hyalocampa* 20, ant. 29.

Hyalocampa 20, ant. 29. *Hyalocampa* 20, ant. 29.

Hyalocampa 20, ant. 29. *Hyalocampa* 20, ant. 29.

Hyalocampa 20, ant. 29. *Hyalocampa* 20, ant. 29.

Hyalocampa 20, ant. 29. *Hyalocampa* 20, ant. 29.

Hyalocampa 20, ant. 29. *Hyalocampa* 20, ant. 29.

27.6.43, afternoon. Phoenix Park, DU.

In afternoon rode (alone) to W end of the park & collected in two places just W of Ferry Glen, 1. under shade of trees, as far as possible, & very late in day 1.2 under trees between avenue & park of Ferry Glen to Knockreeon Gate & between avenue & wall, for 200 yards (including dead & spring flowers down into glen).

2. a fresh plantation on the (SE) side of road across to station 1.

Diptera 1 small flycatcher abundant, but very few larger species seen

Phoenix Park, DU

Taken at 1. [40 mounted from 1.2 these labelled 2.4.45]

Caterpillars

Simple = *Pachyramphus* *Abundant* 5.

Cryptids 2 of which *Acanthomyia quadripuncta* 5.

Meristhenes 13 sp. 1000, lat. 1000.

Hemiteles? = *Polyblastus* ^{H. J.F.} 1000, lat. 1000.

Hemiteles 5, lat. 1000, 1000, 1000, 1000.

Tenodesmus minutus? 5, lat. 1000.

Phaenocarpa *fulvipes* 1000, lat. 1000, 1000, 1000.

27.6.43, aft. cont. Phoenix Park, DU.

Taken at 1, cont.

Empididae 2 1000

Chalcids *brunneator* 2 1000, 1000

Apanteles 1000

Chalcids 5, one of which *Chalcid* *brunneator* 1000, 1000

Chalcids 1000

Chalcids *brunneator* 1000, 1000

Chalcids *brunneator* 1000, 1000

Chalcids *brunneator* 1000, 1000

Chalcids *brunneator* 1000, 1000

Chalcids *brunneator* 1000, 1000

Chalcids *brunneator* 1000, 1000

Chalcids *brunneator* 1000, 1000

Chalcids *brunneator* 1000, 1000

Chalcids *brunneator* 1000, 1000

Chalcids *brunneator* 1000, 1000

Chalcids *brunneator* 1000, 1000

Chalcids *brunneator* 1000, 1000

Chalcids *brunneator* 1000, 1000

Chalcids *brunneator* 1000, 1000

Chalcids *brunneator* 1000, 1000

Chalcids *brunneator* 1000, 1000

15th July 1943. A fine day but windy, clearing
 with strong E wind along coast, with heavy rain
 inland, after 3 days of drizzle. My 1st Major
 move, from Co. Wick to Co. Wick. Went by 9 AM train
 to Limerick, then to Carrickmacross, Co. MO, with
 J. F. Mitchell & Hilda Parkes (K. assistant)
 to visit the section at the gypsum quarry
 at Knocknacran, about 1 1/2 miles S.W. of
 Carrickmacross. In the deposit entirely bed
 of Glacial, late Glacial & post-Glacial ages. The
 basis of the Irish Giant Deer has been found
 associated with a sand containing a good number
 of molluscan fauna, covered by an eroded bed
 with layers of *Salix herbacea* & an influence,
 which is then covered by post-glacial
 laminated peat. The section is now nearly
 destroyed by drift in going on to cut
 samples of the shale from lower part
 of the great deer. On way there we visited
 the house (Major's house) & called at
 the house (Major's house) & saw several
 bones of the Giant Deer, which are no

July 1943, cont. Carrickmacross district, cont.
 double of local origin. Had little opportunity
 to collect in the field, but managed to get in some
 samples along the edge of Lough Fea on S.W. side
 & just west of the outlet (1) & at the gypsum quarry
 at Knocknacran (2) & at Co. Monaghan; later
 on road back through Carrickmacross to Enniscorthy
 & Hilda Mitchell examined the post-glacial bog just
 east of that place, & through the bog found
 within recent peat of the cut away
 parts near the road (which crosses the bog),
 this place (3) being just in Co. Louth.
 Left Enniscorthy by train at 5.35 PM. Dublin
 & arrived there at 8.15.

Lough Fea, Co. MO. = 1.7.43 (1)

[46 mounted
 from 1 & there
 labelled 15.11.43]

Crabro vivian ♀. *Thyris* *lacrimosa* ♂
Nomophila *flavipunctata* ♀. *Formica* *fuscipes* ♂
Atopsyche *multilineata* ♂ & ♀. *Stenobothrus* ♂
Pentatomus *gibbatus* ♂ along edge of Lough Fea (6 mounted)
A. cordata ♂ & *A. lugens* ♂ [See Benson's letter of 9.10.1945]
 Black sh. (1) or (2) = *Tanystethus* *affluens* ♂, all black

1.7.40, cont. - Long L. Sea, 190, cont.
Taken at 1, cont.

Cryptorhynchus 6 = *Hemiteles* f. *impositus*, ant. 23, ♀.

Hemiteles f. *impositus* 2, ♂, ant. 24.

H. cf. apicatus ♂, ant. 20.

H. cf. 2 ♂♂, 1 ♀ (yellowish green), ant. 20, 20, 20.

Pimpla depurata ♀, ant. 23, rather large specimen.

Phaenocarpa ♀, ant. 20, small specimen.

Camponotus 2 ♂♂ (2 off), ant. 26 + 23 =

Chalcid *brunneus* 3 ♂♂, 1 ant. 20.

Chalcid *fulvipes* group ♂.

Chalcid *prunus* 1 ♂, ant. 29.

Blacus *dimidiatus* ♀, ant. 20.

Opius 4 = *Opius* *caesus* 3 ♀♀, ant. 25, 27 + 27.

2 *O. caesus* ♂, ant. 25.

Aspilota 4 = *A. cf. uliginosa* 1 very minute ♀, with very long, very slender legs; ant. 20.

A. confinis 2 1 small ♀, ant. 19.

A. mixta 1 ♀, ant. 20.

A. (Synaldis) *parvicornis*, 1 very small ♂, ant. 20.

1.7.40, (1), cont. - L. Sea, 190, cont.

Lucinaria *arctica* group abundant, 2 ♂♂ only kept = *Lucinaria* ? ♂, ant. 24 + 24.

D. porticus ♀, small, ant. 21.

D. cyclops ♀, very large specimen, ant. 25.

Mesochorus *caesus* 1 ♂, 1 ♀, ant. 20, 20.

Aspilota *cf. picea* 1 ♂, ant. 19.

Pteron. 2 =

Gaster 1 =

1.7.43(2) Knocknacran Co. MO.

Red's *Black* *cf. rot.* 1 = *Gaster* *cf. similis* *Black* *cf. picea* } 2 ♂♂, ant. 20 + 20.

Cryptus 1 = *Hemiteles* ♂, ant. 20.

Hemiteles *fulvipes* 1 ♂, dark red, ant. 23.

Rhyssalus *irregularis* ♀, ant. 20.

Aspilota *fulvipes* group ♂.

Aspilota *caesus* 1 (♂?) ant. 22.

1941

1.7.43 (2) Knocknacran, M.O., Cont.

Sigalphus caudatus or *floricola*? 100, ant. 20, dark legs.

Pentapleura pumilio ♀, small, dark legs, ant. 19.

Aphidius spp. 100 ♀ = *A. cf. rufipes* 20, ant. 20.

Dacnusa 5 (all kept) =

D. areolaris 2 10, 14, ant. respectively 22, 21. *D. maculipes* 10, 14, ant. 22, 21.

D. elongata 1 small ♂, ant. 20.

Aphidius 7 (all kept) *Aphidius* cf. *humilis*? 20, ant. 20.

Aphidius spp. 2 20, ant. 19, 17, 20, 21, 22.

[Beech: not seen then labelling!]
Lepidoptera 1.

1.7.43 (3) Ereenard, Co.

[18 specimens mounted & then labelled]

23. Sept. 1945, first night of labelling for autumn.

bag,
G. L.H.

1942

1.7.43 (3)

bag, Ereenard, L.H., cont.

Ceraphron maculipes ♀ small

Bethylus cephalotes ♀.

Cryptus ♂.

Pimpla defuncta ♀, ant. 22.

Polyblastus rufipes ♀, ant. 24.

Baryscapus sticticus Th ♀, ant. 19.

Cryptus ♀, ant. 49.

Cryptus 200, ♀.

Apanteles fraternus? ♂. *A. imperator*? ♂.

Sigalphus pallipes? 200, ant. both 22.

Microgaster tumidulus ♂, ant. 21.

M. tumidulus ♀, ant. 22.

Not taken in same group.

Diptera 2.

Swallow: *Selandria stramonipes* ♂.

Lesia formiciformis: black-winged 20th 2 on leaf (1 kept)
on willow: little to be seen, only recorded from Park & Slieve
in Ireland. [One later given to M.S. Buckley Westropp who
agrees with my determination of it!]

4th Feb 1943. During a hot burst of sun cold of *Chrysomelids*
parvulus searching for & pulling for out the same as *Chrysomelids*
the larvae of *Microgaster filicicola* (Lep.) in garden, the larvae of *Chrysomelids*
the larvae of *Chrysomelids* in garden.

1943.

5th July 1943. A fine day with falling barometer
(Monday: a busy previous day in museum & did not collect over week-end!) followed by heavy rain in evening - the first rain since 25th June. Visited Westropp in afternoon & took one *Bracon trispulator* ♀ ^{ant. 30.} on current but in his garden & the following with me at his garden rubbish-heap. - [23 mounted & 2 of these labelled on 24.9.45]

Blackheath, Co. Dk.

Cryptinid ♂ = ^{ant. 21}
Pentapleura pumilio ♀, ant. 20 ^{with large very dark stigma!}
Phaenocarpa conspurcator many ♂♂
Oncophanes ♂, ant. 21, terebra rather long, but abdomen distorted in drying.
Aphidius matricariae ? ♂, ant. 16.

Proctos 2

Chalcid 1 tiny specimen

Cynipid 3 (2 spp.)

1944.

7th July 1943. A stormy day, cold in morning, sun at midday, but afternoon quite spoiled by two terrific showers: collecting quite in fruit after the second shower.
In afternoon rode to Lucan downriver, arriving about 3.30 & leaving at 6.30 but collecting comprised to about half an hour & only possible then under thick trees. Collected only at one place - by the river with 18 willows below the Turbine house.

Lucan Downriver, Co. Dk.
Cryptinid ♂, only 2 mounted [22 mounted & these labelled 26.9.45]
= *Hemitelia* ? ♂, small, very slender, with 20 seg. ant.
Hemitelia ? ♀, ant. with red basal half, 22 seg.

Phytodietus ♀, ant. 37.
Phaenocarpa fuliginosa ♂, ant. 19.
Campoplegid 2: not mounted.

195.

7.7.43, cont. Lucan Demesne, Dec., cont.
beetles, *Tricoma* 2 ♂♂.

Enallagma ♀ = *Enallagma* *laetitia* ♀, ant. 23.

Enallagma *speciosa* ♂, ant. 22, head large!

Enallagma *argentea* 1 ♂, very small, ant. 16, very int.

Enallagma 3 = *A. confusum*: 1 ♂, ant. 22, 1 ♂, ant. 22, 1 ♂, ant. 22.

+ *A. d.* ? ♂, ant. 22; with dimple.

A. (Orthocentrus) nivalis Hal. ♀, ant. 18: very nice example.

Dacnusa 2 ♂♂, 1 ♂, 1 ♀, 1 ♂, 1 ♀: 2 ♂♂, 1 ♀, 1 ♂, 1 ♀.

D. bellina 2 ♀♀? 1 minute ♀ mounted, ant. 22, very int. but apparently the

D. sp. was *evadensis*, but ant. (27) pale at base & tibiae darkened at apex.

D. sp. of new *stenosoma* Nixon 1943, ♀, ant. 28, legs darkish, etc.

Enallagma 7.5.

Enallagma 6.7.

Enallagma 3.

Enallagma 3.

Enallagma.

Samolus *Atthalia cordata* ♂.

196.

14 July 1943. Not a hot day, but quite hot & sunny with mild - then a few more days & with more sun & heat.

Went by 11.30 bus to Rogerstown, near Bush, Co. Dub., & collected along road to quarry & in dunes & fallow fields for 1/2 mile into dunes. Collected a little first, but subsequently found none, but returned at 2.0 clock having made the half way & ended all collecting, so returned home by 4.38 train from Bush station.

Roadside dunes & fields at Rogerstown, Bush, Co. Dub.

1. Roadside from bus to dunes, at quarry.

2. Dunes & fallow fields near old road - good station, not repaired & made into the house. 12.30 till 3.0 P.M.

Taken at 1. [20 mounted from 1 & three labelled 279, 405]

Enallagma ♂.

Enallagma 5, including *Atthalia* *cordata* ♂.

Enallagma *gargala* ♀ *Enallagma* *cordata* ♂, ant. 29.

Enallagma ♂, ant. 27.

Enallagma ♂, ant. 36.

Enallagma *argentea* ♂.

8.7.43, cont. Rogentown, Rusk, DU, cont.

Taken at 3, cont.

Chelonus cf. *caeruleus*? ant. 25, 1st abd. seg. 1st abd. seg.

Euphorus *ovatus*? 1 spec. in specimen, ant. 22.

Perithous with 1 spec. 2 spec.

Spec. off 3 = *C. rufipes* 2 spec. all light colored brown

Chelonus 1 spec. 2 spec. 1 spec. 1 spec. 1 spec. 1 spec.

Chelonus 1 spec. 2 spec. 1 spec. 1 spec. 1 spec. 1 spec.

Chelonus 1 spec. 2 spec. 1 spec. 1 spec. 1 spec. 1 spec.

Chelonus 1 spec. 2 spec. 1 spec. 1 spec. 1 spec. 1 spec.

Chelonus 1 spec. 2 spec. 1 spec. 1 spec. 1 spec. 1 spec.

Chelonus 1 spec. 2 spec. 1 spec. 1 spec. 1 spec. 1 spec.

Chelonus 1 spec. 2 spec. 1 spec. 1 spec. 1 spec. 1 spec.

Chelonus 1 spec. 2 spec. 1 spec. 1 spec. 1 spec. 1 spec.

Chelonus 1 spec. 2 spec. 1 spec. 1 spec. 1 spec. 1 spec.

Chelonus 1 spec. 2 spec. 1 spec. 1 spec. 1 spec. 1 spec.

Chelonus 1 spec. 2 spec. 1 spec. 1 spec. 1 spec. 1 spec.

8.7.43, cont. Rogentown, Rusk, DU, cont.

Taken at 2, cont.

Chelonus 1 spec.

Chelonus 1 spec.

Chelonus 1 spec.

Chelonus 1 spec.

Chelonus 1 spec.

Chelonus 1 spec.

Chelonus 1 spec.

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Chelonus 1 spec.

Chelonus 1 spec.

Chelonus 1 spec.

Chelonus 1 spec.

Chelonus 1 spec.

Chelonus 1 spec.

11.7.43, cont. Royal Canal, Co. KD., cont.
 Sought in places as follows:-

- 1 = Along canal & bridge, outside walled plantation
 1/2 mile W. of Louis Bridge, Royal Canal.
- 2 = Inside plantation.
- 3 = W. side of field with grass & of clay with carrots
 & turnips; 1/2 mile W. of Louis Bridge.
- 4 = S. side of same field, along canal, where
 there was a sheet.

Royal Canal, KD.

Taken at 1. (Too wind-exposed to be very use.)
 2-3.30 P.M. [9 mounted from 1 & 2 then labelled at 11.45]

Dacnusa ? ♂ not mounted
Atractodes 1 ♀ and 1 ♂, both labelled, ant. 23.
Microgaster ♀, thick, 25 seg ant., dark wings.
Leucospis bellata ♀ *Coronina* ? ♀, ant. 29.
Glypta areolaris ♂ ♀ of ? ♂ } none
Homocidus stramineipes & *nigriventris* 1 ♀ each } mounted
Chalcidophaga 2 = *Cantharis* ♀, ant. 18.
 1 ♂ not mounted.

Exochus

H. flavipes not mounted.

11.7.43, cont. P. Canal, KD., cont.
 Taken at 1, cont.

Phaenocarpa *ulmivora* ♂

Exochus *ulmivora* ♀

Exochus

Aphidius sp. 3 ♂♂. Not mounted.

Chalcid 3.

Cynipids 2

Taken at 2 (Also very windy, except at E. end).
 2.45 to 4.0 P.M. [39 mounted from 2 & 3 then labelled at 11.45]

Antenn ♀

Scaph. *Trichogramma evanescens* ♂

Dacnusa pumila 24 ♀ not mounted

Epitetrus pygmaeus ♂, not mounted

Glypta 14: 2 ♂♂: *Microgaster* sp. ♂, ant. 23 &

Pezomachus ♂ & ♂, small, ant. 20 & 21

Pimpla flavicollis ? 2 ♂♂

2030

11.7.43. cont. R. Canal, KD. cont.

Taken at 2, cont.

Crucian trinitatus ♂: not mtd.

Stenocranus ♂ & ♀♀ (off) = *St. rufus* 1 ♂, 1 ♀
ant. 20 & 19.

1 St. of one lat. lat. type, 1 mtd. ♂, 1 ♀, ant. 22.

Chrysophyda ♂: 1 ♂ not mtd. =
ant. 20.

Mesochorus sp. 2 ♂♂, 1 ♀: not mtd.

Mesochorus apicigravatus ♀, ant. 17.

Pentaneura cornuta? ♀, ant. 20.

Crucian citreus mtd. ♀, ant. 26.

Colletes tricolor ♂.

Capitulum fulvipes group ♂.

Signiphys pallipes ♀, ant. 22, tergite 3 small dark spots!

Euphorus malvarius 1 ant. 22.

Meteorus rufator? ♀, ant. 23.

Centistes lucidator ♂: not mtd.

Opius ilicis Nixon 1 ♂: ant. 25: no doubt on holotype!

Bracon bicolor W.: a beautiful ♀, ant. 26.

except *populi* *rubens*? ✓ AWS 14.10.45.

2040

11.7.43. cont. R. Canal, KD. cont.

Taken at 2, cont.

Pentaneura pumila ♀: 1 mtd.

Phaenocarpa ruficeps ♂: ant. 25, mtd. (black abdomen, legs!)

Aspilota ♂ & ♀♀ in 2 ♂♂: the only *Aspilota* taken, showing that it is not as there usually common here! (Probably a new species! AWS 14.10.45.)

Dacnusa areolaris group ♂♂ & ♀♀: the dark at sheltered E. end of window!

D. nigra *humilis* ♀, ant. 25 = *Dacnusa* Nixon 1944.

D. albipes? ♀, ant. 20, legs, etc. etc. etc. etc.

D. bellina ♀, ant. 26.

Abichneumon off. about 6: 2 mtd. =

A. ruficornis *Humb.* = *viridis* Hal. 1 ♀, small, ant. 25.

Also a dark-legged ♂, ant. 17 which may belong to same species.

Triclistus *lucicola* ♀, ant. 11.

Mesochorus ruficornis? ♂, small, dark, ant. 12.

Proctos: 6 only: 4 mtd.

203

11.7.43, cont. R. Canal, KD. cont.

Taken at 2 cont.

Chalcids 144: 3 mounted: on 2 long, yellowish plants =
2 on with beautiful red & black marked head & antennae =

Cynipids 4: none mtd.

Diptera 2, both mtd. = *Chrysops*

Taken at 3. (In fair shelter & wind falling) S.P.A.

Spilomena troglodytes 10, 1 ♀ = 5 m. com. var. mtd. 1 ♀

Chalcids 2 ♂♂ 2 ♀♀: mtd. 1 ♂ 1 ♀ [32 from 3 mounted & these labelled 15.10.1945]

Phyllobius iridipennis ♂♂ 6 ♂♂ 4 ♀♀: mtd. 1 ♂ 1 ♀ [labelled 15.10.1945]

Phyllobius ♂♂ 2 ♂♂ 2 ♀♀: mtd. 1 ♂ 1 ♀ [labelled 15.10.1945]

Phyllobius ♂♂ 2 ♂♂ 2 ♀♀: mtd. 1 ♂ 1 ♀ [labelled 15.10.1945]

Phyllobius ♂♂ 2 ♂♂ 2 ♀♀: mtd. 1 ♂ 1 ♀ [labelled 15.10.1945]

Phyllobius ♂♂ 2 ♂♂ 2 ♀♀: mtd. 1 ♂ 1 ♀ [labelled 15.10.1945]

Phyllobius ♂♂ 2 ♂♂ 2 ♀♀: mtd. 1 ♂ 1 ♀ [labelled 15.10.1945]

Phyllobius ♂♂ 2 ♂♂ 2 ♀♀: mtd. 1 ♂ 1 ♀ [labelled 15.10.1945]

Phyllobius ♂♂ 2 ♂♂ 2 ♀♀: mtd. 1 ♂ 1 ♀ [labelled 15.10.1945]

Phyllobius ♂♂ 2 ♂♂ 2 ♀♀: mtd. 1 ♂ 1 ♀ [labelled 15.10.1945]

Phyllobius ♂♂ 2 ♂♂ 2 ♀♀: mtd. 1 ♂ 1 ♀ [labelled 15.10.1945]

Phyllobius ♂♂ 2 ♂♂ 2 ♀♀: mtd. 1 ♂ 1 ♀ [labelled 15.10.1945]

Phyllobius ♂♂ 2 ♂♂ 2 ♀♀: mtd. 1 ♂ 1 ♀ [labelled 15.10.1945]

Phyllobius ♂♂ 2 ♂♂ 2 ♀♀: mtd. 1 ♂ 1 ♀ [labelled 15.10.1945]

Phyllobius ♂♂ 2 ♂♂ 2 ♀♀: mtd. 1 ♂ 1 ♀ [labelled 15.10.1945]

Phyllobius ♂♂ 2 ♂♂ 2 ♀♀: mtd. 1 ♂ 1 ♀ [labelled 15.10.1945]

206

11.7.43, cont. R. Canal, KD. cont.

Taken at 3, cont.

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

Leucospis bellator 3 ♂♂, 1 ♀: mtd. 1 ♂ 1 ♀

11.7.43, cont. R Canal, KD., cont.
Taken at 3, cont.

Microplitis medialis? 1 dark sp.

Microplitis cf. *libella* ♀, 1st inst., 1st day, very heavily punctured, 1st inst.

Euphorus ovalis 4: not mtd.

Opius irregularis ♀: not mtd.

O. sp. 1st inst., 1st day, 28, 29, 30, 31, 1st inst.

Pentapleura punctata 2000, 3000: not mtd.

Phaenocarpa concolorata 00, small form, 1st inst.

Aspilota putrescens 00, 1st inst., 20: very small specimen.

Dacnusa areolaris group. 6 (2000, 2000) 1st inst.

D. areolaris 00: 1st inst., 1st day, 1st inst.

D. leptogaster 00, 1st inst., 1st day, 1st inst.

D. sp. 1st inst., 1st day, 1st inst.

D. sp. 1st inst., 1st day, 1st inst.

Cochilus 2000, 1st inst., 1st day, 1st inst.

C. 1000, 1st inst., 1st day, 1st inst.

Microplitis ruficornis? 2000, 1st inst., 1st day, 1st inst.

Bracon volucre ♀

Polyblastus ♀

Aspilota ♂

11.7.43, cont. R Canal, KD., cont.
Taken at 3, cont.

Aphidius spp. about 15: 3 mounted as follows —

A. arundinis? ♀, 1st inst., 1st day, 1st inst.

A. caesus? ♀, 1st inst., 1st day, 1st inst.

Praon 10: 2 mtd.

Chalcids 8: now mtd.

Euclyptus 3: 1 mtd. almost wingless =

17th July 1943 (Saturday) A beautiful morning
after a heavy dew & fine light breeze. The first
day off work by Royal Canal, Dublin, 400
m. N. Left home at 10.40, along (leaving
following in afternoon) & arrived at Louisa
bridge at 11.42, a wind east & rising.
East wind very strong till about 6 P.M. when
it died off & collecting resumed. Then
inches, I suppose, so common as
to make any place simply full, but another
stack at 11.40, home about 7 o'clock.

Royal Canal, W. of Louisa Bridge, Dublin, 400
Collecting in fine areas, 1 & 2 being nearly the same
as follows:-

- 1 = W. side of field between canal & Maynooth road
(to station 3 of 11.7.43) where took *Proconus*
& other insects on 11th; & also S. side (= station 4
of 11.7.43) as far as S.E. corner where there is a wet
ditch & filled up with drinking pond, with *Proconus*
2 = Canal side & outside plantation W. of Louisa B.
3 = Inside wall of plantation, but only 2/3 W. part of latter.
4 = E. end of plantation, where poplar undergrowth & common to
same where *Polyporus* common on poplar in places fallen
off same, not fallen on 11th & station 11.7.43.

17th July 1943. cont. Royal Canal, 400, cont.

5 = W. side of field (to station 1) but right from canal
to Maynooth road & along W. side to gate, where West
replace (trees).

Taken at 1. [35 m. to 1 & 2 the latter 2 to 10.40]
Spilomena *triglyphus* ♂
Antenn ♂
Two black wasps ♂♂ = *Trichocryptus* ♂
& *P. ...* ♂
Polyporus ? *Platystrophia* ♂ 20.0.10.40 =
Antenn ♂
Eggs of 11, including *Stenobothrus* ♂
2nd instar = *Stenobothrus* ♂

Proconus ♂, *Proconus* ♂, *Proconus* ♂, *Proconus* ♂
Hamaxia ♂, *Hamaxia* ♂, *Hamaxia* ♂
Proconus ♂, *Proconus* ♂, *Proconus* ♂
Proconus ♂
Proconus ♂, *Proconus* ♂, *Proconus* ♂
= *Helictes* ♂, *Helictes* ♂
Field 17.7.43. 2.1.1947

16th July 1943. *Apanteles* ♂
at Ashdown C. W. 1. 1943
Fergus O'Rourke

17.7.43, cont. Royal Canal, R.D., cont.

Taken at 1, cont.

- Bombus terrestris* 1 ♂, small, 19, ant. 14.
- B. lucorum* 4 ♀♀, ant. 21, 22, 23, 24.
- Halictus confusus* 1 ♂, ant. 21.
- Sphegodes* 2 specimens.
- Euphranta connexa* 2, ant. 21, 22.
- Pentodon* 1 ♂, ant. 21, 22.
- Leucophaea* 1 ♂, ant. 21, 22.
- Opius* 2, ant. 21, 22.
- O. communis* 1, ant. 21.
- Bombus* 4, ant. 21, 22, 23, 24.
- Alomyia* 1 ♂, ant. 29.
- [No *Empididae*]
- Dacnusa* 2, ant. 21, 22.
- D. longicauda* 2 ♂♂, ant. 21, 22.
- Epilachna* 1 ♂, ant. 21.
- Praon* 1 ♂, ant. 20 (1).
- Mesochorus* 1 ♂, ant. 21.
- Aphidius* 1 ♂, ant. 21.
- Chalcid* 1 ♂, ant. 21.
- Ichneumon* 1 ♂, ant. 21.

17.7.43, cont. R. Canal, R.D., cont.

Taken at 1, cont.

Pentodon 1 ♂, ant. 21, 22.

Chalcid 1 ♂, ant. 21.

Sphegodes 1 ♂, ant. 21, 22.

Taken at 2 [13 ants from 2 only, see top of next page]

- Bombus* 2, ant. 21, 22.
- Halictus* 1 ♂, ant. 21.
- Bombus* 1 ♂, ant. 21.
- Pentodon* 1 ♂, ant. 21.
- [No other *Pentodon* seen all day, no *Pentodon* in net]
- Pentodon* 1 ♂, ant. 21.
- Leucophaea* 1 ♂, ant. 21.
- Vespa* 1 ♂, ant. 21.

922

17.7.43, cont. Royal Canal, R.D. cont.
Taken at 6 cont.

Chrysomelidae 120: not alt.

Helix 2000: not alt.

Geophila 2000: not alt. 25 =
Scaph. 2000: not alt.

Colletes splendens 100: not alt. 22 = taken at 1/4.

Phaenocarpa 2000: not alt. 22 = taken at 1/4.

Epaphroditus 2000: not alt.

Synaldis 2000: not alt.

Euphranta 2000: not alt.

Pantoclis 2000: not alt.

Meloboris 2000: not alt.

Blacus 2000: not alt.

Stenobothrus 2000: not alt.

Phaenocarpa 2000: not alt.

P. fulvipes 2000: not alt.

P. fulvipes 2000: not alt.

P. fulvipes 2000: not alt.

P. fulvipes 2000: not alt.

Aspilota 2000: not alt. 22 = taken at 1/4.

A. 7 2000: not alt. 22 = taken at 1/4.
with scarcely a trace of a double

17.7.43, cont. R. Canal, R.D. cont.
Taken at 6 cont.

Chrysomelidae 2000: not alt. 22 = taken at 1/4.

Helix 2000: not alt.

Geophila 2000: not alt.

Colletes 2000: not alt.

Phaenocarpa 2000: not alt.

Epaphroditus 2000: not alt.

Synaldis 2000: not alt.

Euphranta 2000: not alt.

Pantoclis 2000: not alt.

Meloboris 2000: not alt.

Blacus 2000: not alt.

Stenobothrus 2000: not alt.

Phaenocarpa 2000: not alt.

P. fulvipes 2000: not alt.

P. fulvipes 2000: not alt.

P. fulvipes 2000: not alt.

P. fulvipes 2000: not alt.

P. fulvipes 2000: not alt.

P. fulvipes 2000: not alt.

P. fulvipes 2000: not alt.

P. fulvipes 2000: not alt.

P. fulvipes 2000: not alt.

P. fulvipes 2000: not alt.

Taken at 3. cont

229

22 July 1943. A very nice day, after a dull
morning, much sun in afternoon, with W. NE breeze.
Went by 11:20 bus to Malahide & across to
"The Island" by ferry. Out by 6:0 PM bus.
Collected in three areas —

- 1 = edge of dunes along railway (W) end of
promenade on far or desert field.
- 2 = center dunes south of light point.
- 3 = from 2 back to ferry along eastern
margin of older dunes.

The Island, Malahide, Co DU

Taken at 1. (48 numbered from 1 & then labelled with
collector's penicillium or. *Helictes* "smaller" &
Pezizus plumbeus & *guttosus*
Tachyphonus pratensis
Crabro "small"

Berichus "small" not all
Mezobius "large" not all
Staphylinus "large" not all
Helictes ♂ with large anal forceps =
H. ♂ with broad anal forceps =
not all.

230

22 July 1943, cont. The Island, Malahide, DU, cont.
Taken at 1, cont.

Limonata parallelus ♂ & ♀♀ not all
Pezizus plumbeus ♂ & ♀♀, not all
Bremesia gemina ♂ & ♀♀ not all
Helictes ♂ & ♀♀ not all
guttosus ♂ & ♀♀ not all
C. ? ♂ & ♀♀ not all

Bracon very *thoracicus* ♂ & ♀♀ not all
B. concolor ♂ & ♀♀ not all
B. a. thoracicus ♂ & ♀♀ not all

Aspilota of *Helictes*? ♂ & ♀♀ not all
Aspilota "small" ♂ & ♀♀ not all

Euphorbia of *Helictes*? ♂ & ♀♀ not all
Aspilota "small" ♂ & ♀♀ not all
Aspilota "large" ♂ & ♀♀ not all
Aspilota "small" ♂ & ♀♀ not all
Aspilota "large" ♂ & ♀♀ not all
Aspilota "small" ♂ & ♀♀ not all
Aspilota "large" ♂ & ♀♀ not all

22.7.43, cont. The Island, DLI, cont.

Taken at 1, cont.

Dacnusa areolaris group. 7 m E, all 98: 382 etc, and in
between top, with top taken a long way, and not seen.

D. areolaris 2 both 98: 382 etc

Euclyptus viduus ♀, ant. 21

E. viduus ♂, ant. 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

Aphidius sp. ♂, ant. 21

Proctos 2.

Chalcids 15, including *Chalcid* & *Chalcid* species

Chalcids 2.

Chalcids 3 mtd.

22.7.43, cont. The Island, DLI, cont.

Taken at 2. [15 mtd from 2 & 3 collected 11.45]

Aphidius sp. ♂, ant. 21

Ich. mtd. 2000, ant. 21 = *Ichneumon*

Cryptine 2000, ant. 21

Cryptine 4 others: 3 mtd, 1 mtd

Leucospis bellator ♂, ant. 21

Leucospis bellator ♂, ant. 21

Leucospis sp. ♂, ant. 21

Brachymeria ♂, ant. 21

P. p. p. 3 ♂, ant. 21, partly, small specimen of 1

P. p. p. ♂, ant. 21

Homocidus ♂, ant. 21

Aphidius sp. ♂, ant. 21, small wings, but mtd, also for spec.

Parasitica ♂, ant. 21

Proctos ♂, ant. 21, 2 mtd, 1 mtd

Proctos ♂, ant. 21, 2 mtd, 1 mtd

Proctos ♂, ant. 21, 2 mtd, 1 mtd

22.7.43, cont. The Island, Melatide, DU, cont.
Taken at 2, cont.

Pentapleura apiculata 1 very small ♀, ant. 28.

Aspilota subopaca 1 small ♀, ant. 28.

Dacnusa leucophaea 2, small, ant. 28, 29, 30, 31.

Coelinius viduus frequent 2 seen at 28.

Chalcids 10: none kept.

Taken at 3. 22 mounted from 30 then labelled 7.11.45.

Mesochorus variator 1000 kept first 20 ant. 1923.

1st vol 1 small ♀.

by the 3. 4

Glypta typicicornis? 200, ant. 28.

Promethes cognatus ♀: ant. 31. etc. on the bank.

Phaenocarpa fuliginosa 2 28, ant. 1923.

Pimpla lugens 2, ant. 29; also 2 smaller ♀, ant. 28.

Stenomacrus 200, ant. 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Bracon 200, ant. 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

22.7.43, cont. The Island, DU, cont.
Taken at 2, cont.

Pentapleura apiculata 200, ant. 28.

B. "jacobus" ♀, ant. 28.

Aspilota fulvipes 200, ant. 28.

Coelinius viduus 200, ant. 28.

Pentapleura apiculata 200, ant. 28.

Microgaster 200, ant. 28.

M. pallipes ♀, ant. 29, small specimen.

Alysiina 200, ant. 28.

Aspilota (B.) 200, ant. 28.

Dacnusa areolaris 200, ant. 28.

Coelinius viduus frequent 200, ant. 28.

Aphidius 200 ♀, ant. 16, small dark specimen.

Proctos 2: 5 kept.

Chalcids 3: 2 kept.

Taken at 1.

Ed. Sumner

子

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25.7.43, cont. K Ho., Athdown, W.I., cont.

Taken at 1, cont.

Gnaptodon pumilio ♀, ant. 12.

Pentapleura pumilio ♀.

P. angustula 3♀♀.

Allua contracta ♂.

Aspilota 7 spec. = *A. nervosa* Hal. not added, 25.24.

A. of 11 spec. above very small; numerous; red legs, ant. 12.

A. of 3 spec. 2 very small, ant. 20-22, thick pitted mandibles, all single.

A. of 1 specimen ♀, ant. 16. *A.* of 1 specimen ♂, large ♂, ant. 26.

A. of 1 ♀, ant. 19, like *A. angustula* but legs not dark, ant. 19.

Dacnusa areolaris group 12.

D. of 1 specimen ♂, ant. 32: probably *D. brevis* Nixon 1944.

Pragm. stygion ♂, ant. 19, damaged.

Triclistus ♂ 2022: ♂, ant. 13. very small, all single.

Apanteles areolaris ♀, ant. 13.

Praon 10: all added.

Chalcid 1: not added.

Cynipid 1: added.

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25.7.43, cont. K Ho., Athdown, W.I., cont.

Taken at 2. [40 mounted from 2 others labelled 12.11.43 & 45]

Salix, not added.

Crabro *caninus*: not added.

Callosus 2022: not added.

Scutellus - *Scutellus* *tuberculatus* ♂.

Platygaster *punctatus* ♂, ant. 21.

Cryptus 2 ♀, none added.

Pimpla *detrita* group ♂, ant. 22. *P. notata* group ?? ♀, ant. 22.

Glypta *areolaris* ♂.

G. *slipshod* ♂, ant. 22.

Leucospa *bellator* ♂, none added.

H. ♀, ant. 22.

Promethes *subulatus* ♂. *Elytus* *fulvipes* ♀, ant. 27.

Microgaster 3: not added 30, 32 & 43 =

Stenomacrus *lunatus* ♀.

3 none added.

Theridion ? ♀, thick, short, antennae, ant. 11-13.

=

25.7.43, cont. K. Ho, Atherton, Ill., cont.

Taken at 2, cont.

Mesochorus 2 ♂♂: 2nd mtd.

Hygroplitis ♂: not mtd.

Helictes 2 ♀♀: not mtd.

3 other *Coelophanes* ♀♀: 1st mtd, ant. 23, 26, 25 =

Plectiscus 2 ♂ = *Euphyas*? 1st mtd, ant. 20.

Aphidius cf. *infrans* common. 1st mtd.
A. fabae group common.

Coelophanes pallidistigma: I think swept off oak, ant. 10.

Blacus pygmaeus ♂; ant. 19.

Opius cf. *umbellatus* var. ♂: ant. 25, with closed 25.

O. ruficornis var.? ♂: ant. 22.

Coelinius ruficornis ♂, ant. 41.

Pentapleura pumilio 3 ♂♂: not mtd.

P. angustula ♀.

25.7.43, cont. K. Ho, Atherton, Ill., cont.

Taken at 2, cont.

Aspilota 7: 1 = *A. fulvicornis* ♂, ant. 15.

A. confusa 3 ♂♂, ant. 25, 25, 25. *A. tricolor* ♂, ant. 16.

A. shannoni var.? 1 mtd, with compound of simple and spined.

A. uliginosa ♂, ant. 18, with male sign?

A. fulvicornis ♂, ant. 12.

Dacnusa areolaris group 12, all small, all dark, 1 mtd.

D. areolaris ♂, ant. 27.

D. affinis ♂, var. with 4th. dark legs & yellow face & legs, ant. 25.

Mesochorus cinctus ♀ 2 ♂♂: not mtd, same color.

Swarms of *Andrena*? 1 small ♀, damaged, with only wing, antennae.

Aphidius cf. 4: 1 ♀ mtd. = *A. curvis* Hal., ant. 16.

Proctos 9: 5 mtd. =

Phaenocarpa 7: 3 mtd. including *Halticoptera*.

Chalcids 3: none mtd.

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25.7.43, cont. K. Hay, Att. known, W. cont.

Taken at 3. [22 mounted from 3 others collected 13.11.45]

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd. 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

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25.7.43, cont. K. Hay, Att. known, W. cont.

Taken at 3, cont.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

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Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

Chalcid 2 ♂♂, 1 ♀, not mtd.

29.7.42, cont. - Regentown Park, Ill., cont.
Taken at 2. [16 mtd from 2 & then labelled 19.11.1945!]

Cryptus 13 (2 = 2 spp.). 11 mtd. as follows

Microctonus ♂, ant. 21. 2 black bodies ♂, ant. 21.

Phygadeuon ♂, ant. 21. 2 black bodies ♂, ant. 21.

Phygadeuon ♂, ant. 21. 2 black bodies ♂, ant. 21.

Phygadeuon ♂, ant. 21. 2 black bodies ♂, ant. 21.

Phygadeuon ♂, ant. 21. 2 black bodies ♂, ant. 21.

Phygadeuon ♂, ant. 21. 2 black bodies ♂, ant. 21.

Phygadeuon ♂, ant. 21. 2 black bodies ♂, ant. 21.

Phygadeuon ♂, ant. 21. 2 black bodies ♂, ant. 21.

Phygadeuon ♂, ant. 21. 2 black bodies ♂, ant. 21.

Phygadeuon ♂, ant. 21. 2 black bodies ♂, ant. 21.

Phygadeuon ♂, ant. 21. 2 black bodies ♂, ant. 21.

Taken at 3. [16 mtd from 2 & then labelled 20.11.1945]

Ich. ♂, ant. 1 = *Exochus* ♂, ant. 21.

Exochus ♂, ant. 21.

Glyptus ♂, ant. 21.

Microctonus (2 species) ♂, ant. 21.

Exochus ♂, ant. 21.

Exochus ♂, ant. 21.

Exochus ♂, ant. 21.

Exochus ♂, ant. 21.

Exochus ♂, ant. 21.

Exochus ♂, ant. 21.

Exochus ♂, ant. 21.

Exochus ♂, ant. 21.

30.7.1942. Specimen of *Microctonus* taken at Regentown Park, Ill., 29.7.1942. Specimen of *Microctonus* taken at Regentown Park, Ill., 29.7.1942.

30.7.1942. I give very little to the net.

one. I was in the net in the following

insect in back garden 7-8 P.M.

Garden, 144 Glenville Rd., Harold's Cross, Ill.

Bombus terrestris & *lucorum* ♂, ant. 21.

B. agrorum ♂, ant. 21. 1 mtd. 1 small ♂.

Vespa germanica ♀ gathering wood at post.

Odynerus parietalis ♀.

[*Halictus* "small yellow" ♂, ant. 21. 1 mtd. 1 small ♂.]

Crabro leucostomus 1 ♂, ant. 21. 1 mtd. 1 small ♂.

Pentapleura leucostomus do do.

The following taken with net in back garden

8 P.M.

Swallow: *Phylloscopus* ♂, ant. 21. 1 mtd. 1 small ♂.

Helorus ♂, ant. 21.

Leptocryptus ♂, ant. 21.

Pimpla ♂, ant. 21. 1 mtd. 1 small ♂.

Microctonus ♂, ant. 21. 1 mtd. 1 small ♂.

Exochus ♂, ant. 21. 1 mtd. 1 small ♂.

Exochus ♂, ant. 21. 1 mtd. 1 small ♂.

Exochus ♂, ant. 21. 1 mtd. 1 small ♂.

Exochus ♂, ant. 21. 1 mtd. 1 small ♂.

Exochus ♂, ant. 21. 1 mtd. 1 small ♂.

Exochus ♂, ant. 21. 1 mtd. 1 small ♂.

Exochus ♂, ant. 21. 1 mtd. 1 small ♂.

5th August 1943. A fine day, but glass low & did not receive for previous day's specimens till 6.15 afternoon. Day spoiled by heavy rain just after I arrived at Lucan which left everything wet & drifting & nearly completely spoiled collecting, with a few things there till 6.30 P.M. I did not get home till 7.15.

In afternoon rode (alone) to Lucan, riding about 2-30, shower 2.45 till 3.30, then fine. Swift in 3 areas after shower & in one type it came on, as below.

Lucan Dunes, Co. DU.

- 1 = edge of river where current comes down to level of river bank & just before shore.
- 2 = under trees & 1/2 mile above weir (near sand pit) along path by river, away off oaks.
- 3 = edge of river & path just below (downstream) station 2. 5.30 P.M.
- 4 = steep bank by path, under trees & river bank near dynamo house, below weir. 6.0 P.M.

5.8.43, cont. Lucan, DU., cont.

Taken at 1. [40 mls from 1 = d. labelled 25.1.1945]

Salix asellaria ♂

Anteon ♂.

Myrmica lucorum ♀ examined.

Atthalia cordata ♂♂ & ♀♀ examined.

Black of in river bank = *Salix asellaria* ♂ & ♀.

Neotoma ♀ seen behind or back of river = *Polysphincta* ♂ & ♀.

Barichneumon ? ♂ : not id.

Cryptinids 10: ♂♂, 3 mtd. = *Polymerus* ♂, 20.

Leptocryptus ♂, 20, mtd. 20.

Polymerus ? ♂, ant. 21 =

Schizopoda atra 3 ♀, ant. 20.

Acrodactylus degener ♀, ant. 31.

Stenomacrus ♂, ant. 20.

Promethes laticarpus ♂, ant. 20.

Tryphon elongatum ♂, ant. 20.

Theridion 2 ♀, ant. 17 =

Mesochorus ♀, ant. 20, mtd.

Campoplegid ♂, ant. 20.

S. & 43, cont. Lucan, DU., cont.

Taken at 1, cont.

- Bracon* 7 ^{small} ♀, ant. 22
- Rhyssalus clavator* ♂, ant. 22
- Colletes* *brunneus* ♀ & *chlorocentrus vestigatus* ♂, ant. 23
- Aphidius* cf. *luteipes* 1 ♂
- Acrotaphus subfasciatus* 1 tiny ♂
- Opusella flavipes* ♂ & ♀, ant. 29; very near *parvipes*
- Aphidius* *luteipes* ♂ & ♀, *whitakeri* ♂, ant. 23
- Aspilota ruficornis*, very large ♂, ant. 23
- A.* *?* ♀, ant. 26, with brownish belt, dark legs; ant. 26
- A. ducalis* in *cruciat* ant. 20. *A.* cf. *signatus* ? ♂, ant. 20
- A.* cf. *signatus* ? ant. 22, *luteipes* (♂) *(Squalidus)* *parvipes* ? → ant. 22
- Dacnusa areolaris* group of dozen ♂♂ & ♀♀
- D. leptogaster* ♂, ant. 20
- D. areolaris* *brunneus*, ant. 26, ♂
- D.* cf. *horrea* *brunneus* ? ♀, ant. 27, remarkable for its size of *postulatus*
- D.* cf. *affinis* ? very small ♂, ant. 24
- Coelinius* *imitator* ♂, ant. 31
- Monobotoma* *varia* ? very small ♂ & female ♀, ant. 15 & 12
- Aphidius* spp. 2 ♂♂ - none mtd.

S. & 43, cont. Lucan, DU., cont.

Taken at 1, cont.

Proctos - 14 ♀, 1 ♂

Chalcids 9: 1 (♂ *Aganid*) only, mtd. =

Tryphon 7: 1 - mtd.

Ledybird: large sp. yellow instead of red (? *fulvipes*)

= *C. ocellatus*, but spots not ringed.

Diptera =

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S.E. 43, cont. Lincoln, Del., cont.

Taken at 2, cont.

Dacnusa areolaris group common

D. areolaris ♀, ant. 29.

D. areolaris ♀, ant. 29.

D. affinis ♀, ant. 21.

D. areolaris ♂, ant. 34.

D. (G.) areolaris ♀, ant. 23.

Ephedrus validus ♀

Triclistus ♀, very small.

Brachymeria ♀, not mtd.

Microctonus ♂, very small, ant. 16.

Aphidius spp. 4 ♂♂, none mtd.

Praon 24, only 4 mtd.

Chalcids 18, 7 mtd.

Cynipids 7, 1 mtd. (small, yellow, & black, mtd.)

258

S.E. 43, cont. Lincoln, Del., cont.

Taken at 3. (Only 9 mtd. from 2 & 3. Collected 20/11/45.)

Homocidus ♂, not mtd.

Stenomacrus ♀, ant. 26. (♂, ant. 26.)

Microctonus abdominalis ♀, ant. 15.

Opius ♂, not mtd.

Pentapleura ♂, not mtd. (♀, ant. 26, mtd.)

Aspilota ♂, ant. 30. (♂, ant. 30, mtd.)

Dacnusa areolaris group abundant: none mtd.

D. areolaris ♂, ant. 26. (♂, ant. 26, mtd.)

D. areolaris ♂, ant. 26. (♂, ant. 26, mtd.)

D. areolaris ♂, ant. 26.

Chasmodon ♂, not mtd.

Aphidius spp. ♂, 4 ♀♀: 1 small ♀ mtd. = *A. caudatus*, ♀, ant. 14.

Ephedrus validus 2 ♀♀, collected 11, one mtd. (larger than the other.)

Praon 5: none mtd.

Cynipids 2: not mtd.

259

5.8.43 cont. Limerick, Dub., cont.

Taken at 4. [Also 7 only, mounted from 22 - then labelled 14/1/45]

Cratichneumon ♂

Exochus 1

Glypta areolaris ♂ } none mtd.

Camptoplegid 1

Rhyssalus ♂, rather dark legs, ant. 47.

Meteorus ventralis ♀, dark form, ant. 32.

Blacus ruficornis 2 ♂♂ } none mtd.

Opius ruficornis ♂

Dacnusa areolaris ♂, ant. 32.

D. areolaris ♂, ant. 32.

D. f. areolaris ♂, ant. 32.

Coelinius ♂

Apanteles ♂, ant. mtd.

Proctos ♀, 2 mtd.

Chalcid 1, long terebra, small black sp. =

Exochus 2 : not mtd.

260

9th August 1943. A fine day, after a very wet
evening. In afternoon took a few specimens
at M.S.D. Westropp's garden, mtd. kept at
10 St. James Terrace, Blackrock, Dublin
as follows — (about 2000 in 1941)

Phygadeuon ♂, ant. 4.

Apanteles ♂, ant. 31; none mtd.

Proctos (as before) =

Cynipid

Stenomacrus : one specimen with

4 false scorpions clinging to its legs.

12th August 1943. Mercurial. ♀, ant. 31

Taken on window in Clontarf just a short while, Dublin, by
E. V. Mackay.

15th August 1943. A fine day, but rain in
evening, after a fairly good hot early week.
Wind N. all night & partly, but backed to SW
& rose about 10 AM just as we left home to
ride to Royal Canal at Limerick Bridge,
Keshif, GHD.; mainly sunny till 2 PM,
then dull, cold & windy till 5 PM, then
rainy, wind falling & some sun, with
abundant rain coming up from SW & which
arrived just after we reached home at 7.10 PM.

10.8.43
all mtd. by E. V. Mackay
1945

15.8 43, cont. Royal Canal, Co. KD, cont.
Collected in fine area, W. of Lower Bridge
in follow:-

1 = W. side of bridge - West field between canal
& Maynooth road. 12 noon till 1.30 PM.

2 = Plantation (windmill) 1/2 mile west of bridge
2.0 till 3.30 PM.

3 = "Garden" to plantation at E end, on both
sides of path into Mr. Mitchell's field 3.30 - 4.0 PM.

4 = S.E. corner of same field as 1, but some
mossy ground (a? in grass) growing; swept
off this & back, & in much detail in corner
of field. 4.50 - 5.15 PM.

5 = W. side of same field & same area, a
sweep in morning at 1. 5.15 - 5.45 PM.

General list.

Bombus terrestris ♂♂

B. lucorum ♂

B. agrorum ♂♂ & ♀♀ between 11 & 12
in same place as seen in 1941

B. lucorum ♂♂ at 1 & fresh ♀♀ sitting
in grass in plantation at 2.

15.8 43, cont. R. Canal, KD, cont.
General cont. [some from general's collection 2.12.41]

Bombus agrorum & *lucorum* 5.30 PM

Psithyrus bestialis ♂♂

P. campestris ♂♂ & 1 black ♀ seen by canal.

Helictes abjectus & *relicta* seen at 2.

Helictes abjectus 1, *Psithyrus bestialis* 1

Psithyrus bestialis ♀ at 2, not examined.

Sample taken at canal
further back

Atalapha cordata ♂♂ at 3.

Tenthredo "cuneata" group ♂♂ & ♀♀ seen by canal.

Orthocentrus glabratus ♂ at 5.

Protoparce scitellus ^{hyperboreus} ♂ at 5.

P. scitellus ? ♂ at 1

Stenobothrus myrmica 1 ♂ at 1

Brachymeria albipennis 2 ♂♂ at 1

P. albipennis (group) ♂ at 1, not 2.

Platylabus vibratorius (robustus) ♀ at 1, not 2.

Lissonota borealis ♂ at 2.

Psithyrus fuscus ♀ at 1.

26

15 & 43, cont. R Canal, KD, cont.

Taken at 1. [Box with 1 from 18 June sent on p. 262, 27.11.1952]

Calymene *calymene* ♀, ant. 27.

Stenopoda ♂, ant. 27; *Stenopoda*, weakly hatched.

Crustacea ♂, 14 (kept 7!) = *Hemiteles* ♂, 7, ant. 27.

Spilopoda ♂, ant. 27 =

Spilopoda ♂, ant. 27 = *Pezomachus* ♂, ant. 27.

Crustacea ♂, 20, ant. 27, ant. 26 =

Limnoria *limnoria* ♀ & ♂, ant. 27.

Stenopoda ♂, ant. 27.

Promethes *promethes* ♂, ant. 27.

Hemiteles *hemiteles* ♂, ant. 27.

H. pallipes ♂ & ♀, ant. 27.

H. hemiteles ♂, ant. 27.

Stenopoda ♂, ant. 27.

Phyllophaga *phyllophaga* ♂, ant. 27.

Crustacea ♂, 2: 1st = *Helicoverpa* ♂, ant. 27.

Leptocryptus *leptocryptus* ♂, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Crustacea ♂, 14 (kept 7!) =

Phyllophaga ♂, ant. 27.

Hemiteles ♂, ant. 27.

27

15 & 43, cont. R Canal, KD, cont.

Taken at 1, cont.

Crustacea ♂, ant. 27.

Crustacea ♂, ant. 27.

Stenopoda ♂, ant. 27; *Stenopoda* ♂, ant. 27.

Stenopoda ♂, ant. 27.

Stenopoda ♂, ant. 27.

Stenopoda ♂, ant. 27.

Stenopoda ♂, ant. 27.

Stenopoda ♂, ant. 27.

Stenopoda ♂, ant. 27.

Stenopoda ♂, ant. 27.

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Stenopoda ♂, ant. 27.

Stenopoda ♂, ant. 27.

Stenopoda ♂, ant. 27.

Stenopoda ♂, ant. 27.

Stenopoda ♂, ant. 27.

265

15. E 43, cont. P Canal, K.D., cont.

Taken at 1, cont.

Prion volucre ♀. *Monotomus* ♂, ant. 13.

Ephedrus ♂ (ant. 22, ant. 13) ant. 13.

Tenebrio ♂, ant. 19.

Tenebrio ♂, ant. 19.

Aphidius about 10, including *A. araneae* ♀♀ &

A. ruficornis Hal. ♀, ant. 15, also ♂, ant. 19, perhaps ♂.

Monotomus ♂, ant. 13.

Proctos ♂, ant. 16 kept.

Chalcids ♂, ant. 16 kept.

Gynipids frequent 1 kept.

266

15. E 43, cont. P Canal, K.D., cont.

Taken at 2. [89 m. 4.8 ft. 2.0 m. (about 9.0 m. 4.0 ft.)]

Ephedrus

Ephedrus ♂.

Ephedrus ♂, ant. 13. *Proctos* ♂, ant. 13.

Ichneumon ♂, ant. 13.

Phaenocarpa ♂, ant. 13.

Phaenocarpa ♂, ant. 13.

Phaenocarpa ♂, ant. 13.

Phaenocarpa ♂, ant. 13.

Gynipids about 30 (kept 7) ant. 13, *Phaenocarpa* ♂, ant. 13.

Phaenocarpa ♂, ant. 13.

Phaenocarpa ♂, ant. 13.

Phaenocarpa ♂, ant. 13.

Phaenocarpa ♂, ant. 13.

Phaenocarpa ♂, ant. 13.

Phaenocarpa ♂, ant. 13.

Phaenocarpa ♂, ant. 13.

Phaenocarpa ♂, ant. 13.

Phaenocarpa ♂, ant. 13.

Phaenocarpa ♂, ant. 13.

276

15.8.43 cont. R Canal, Kdn. cont.

Taken at 4. 13 miles from R Canal (13.12.1943)
 English 4.12. including *Stenobothrus*, *Stenobothrus*
 none added.

Promethes cognatus 2 ♀♀, ant. 28 & 29.

P. latidorsalis 1 ♂, ant. 28 & 29 = *P. latidorsalis* ♂, ant. 28.

Stenobothrus ♀, ant. 28, ant. 30.

Stenobothrus 20 ♂♂, 1 ♀, none added - not added.

Blacus ruficornis 2 ♂♂, ant. 20 & 21.

Exochus lineator 1 ♂, ant. 28.

Gen. of ? 2 ♂♂, ant. 28 & 29 = *Temnothorax* ♂, ant. 28.
 = *Temnothorax* ♂, ant. 28.

Stenobothrus 2 ♂♂, ant. 28 & 29.

Stenobothrus 1 ♂, ant. 28 & 29.

Stenobothrus 1 ♂, ant. 28 & 29.

Stenobothrus 1 ♂, ant. 28 & 29.

Stenobothrus 1 ♂, ant. 28 & 29.

Stenobothrus 1 ♂, ant. 28 & 29.

Stenobothrus 1 ♂, ant. 28 & 29.

Stenobothrus 1 ♂, ant. 28 & 29.

277

15.8.43 cont. R Canal, Kdn. cont.

Taken at 4, cont.

Stenobothrus 1 ♂, ant. 28.

Stenobothrus 1 ♂, ant. 28.

Stenobothrus 1 ♂, ant. 28.

Stenobothrus 1 ♂, ant. 28.

Stenobothrus 1 ♂, ant. 28.

Stenobothrus 1 ♂, ant. 28.

Stenobothrus 1 ♂, ant. 28.

Stenobothrus 1 ♂, ant. 28.

Stenobothrus 1 ♂, ant. 28.

Stenobothrus 1 ♂, ant. 28.

Stenobothrus 1 ♂, ant. 28.

276

16.8.43. 6 very busy day after rain at night with some light rain but dry & wind warm & strong all day but dropping in evening with slightly calm. Went 8.30 P.M. out to garden with net & found many sites, or laid on netting under leaves of plants, then saw on netting the following:-

Garden, 14 Clarendon Rd., Harold's Cross
8.30 - 9.0 P.M. (commence) Dec.

Bombus agrorum ♂ on Knapsack.
Apis mellifera ♂ & ♀ on same.
Bombus ruderatus (♂?) on currant leaf.
Apparently belongs to an active brood & although not caught & examined that is doubt it is a female.
Myiica ruficollis one solitary ♂ on currant leaf during the whole half hour, apparently collecting honey dew, but never moved off the one leaf. [examined & then labelled 12.12.45!]

Ichneumon granulatus? ♂, ant. 26, between breast

276

16.8.43, cont. Garden, Harold's Cross, Dec., cont.

Pimpla flavicollis ♂, ant. 26.
P. (Blatt.) ♂, ant. 26, p. 1 from birch.
Microgaster ♂, ant. 26.

Microgaster tenuicornis ♂, ant. 22.
Microgaster group: 2 ♂♂, ant. 22, different sizes of gaster, markings, & legs. Older had smaller gaster, & gaster more yellowish, & legs darker. Both had small, dark, & with yellowish markings.
Cteniscus ♂, ant. 26. (ant. 26).
2 ♀♀.

Metacoelus chrysophthalmus ♂, ant. 40.
Centistes ruficornis ♂ & ♀, ant. 40 & 42 respectively.
Centistes ruficornis a large ♂, ant. 20.
Centistes ruficornis ♂, ant. 24.
D. laticinctus 2 ♀♀, ant. 14 & 15; both these with dirty.
Pentapleura sp. 64 ant.

18 & 43, cont. Glenwood, Del. cont.

Take at 1, cont.

Bracon *fulvipes* ♂, ant. 40. *Bracon* *viridis* ♂, ant. 31.

Chalcid *viridis* ♂, ant. 41; dark all over.

Syrphid *flavipes* ♂, black legs, dark on sides, ant. 3.

Chalcid *viridis* ♂, ant. 30. *Chalcid* *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

18 & 43, cont. Glenwood, Del. cont.

Take at 1, cont.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

Chalcid *viridis* ♂, ant. 30.

283

18.5.43, cont. - Gleasmore, Co. Dub.

Taken at 2, cont.

Rovulus very common: 2 days - under wing of *Ap. 4*.

Chalcids 6

Psyllids 3 Salted
by me at 1

Taken at 3. *Ap. 4* in particular here & under

parked up the following ¹⁸ mounted others labelled 283/4-5

Chalcids 6

Pezomachus 2 - *exilis* 1, *sp.* 1

P. 1 - *exilis* 1, *sp.* 1

Microgaster 2 - 3000 m, small species, ant. all 19

Oncophanes minutus ♀, ant. 22, wings small

Chalcids 6 - *exilis* 1, *sp.* 1

Opus of *camelliae* var. with about small elements, 0.5 3000 ant. 15-22

Aspilota cf. *montana* ♂, ant. 22

A. victor? 247 - rather small, ant. 19, seg. antennae

284

18.5.43, cont. - Gleasmore, Co. Dub.

Taken at 3, cont.

Rovulus 1 - *exilis* 1, *sp.* 1

Pezomachus ♀, ant. 29. *D. longicauda* 1, ant. 22

Pezomachus ♀, ant. 18

Ap. 4 1 - ♀, ant. 18 - seg. long & very slender

22.5.43 - 1943 - very windy day (SW-W)

Left home at 11.30, 2.30, 3.00 etc. the last

making on the 20th that I had to give up

collecting - caught under tree of 100 ft high

After visiting to Glenties to see R.S.

Boydall & J. Lister & spending an hour

with them, leaving account of this visit

to Kevin, rode (leaving Glenties at 10.45)

to Lough Bridge on Royal Canal, G.R.D.

Carrying this 12.46, i.e. 1 hour 31 minutes

after leaving at Glenties, arrived at Glenties

with some of the way! Then some time

& George (home in Glenfinn) & the

gone by 10.00 bus to Galway & back

along canal

285

22.5.43, cont. Royal Canal, W. of Linn's Bridge, Co. KD.

Collected in 5 places as follows -

1. in SW angle of pasture field, W. of 2.
2. grassy edge along W. side of turf-cut field between canal & the north road: W. of Linn's Bridge, as before. Nearly all specimens in this area lost when rubber roll came at on my line in overbank.
3. Grampet under grass amongst some of carrots between grass edge (2) & turfs, W. side of same field.
4. Same grassy edge of field as 2, but nearer road & after harvest shown.
5. Grampet under in canal on W. side of field. Grampet under in patches on E. side of field, &c.

Left Linn's Bridge at 5.15 & arrived home at 6.10, with strong wind behind me all the way!!!

Painted Linn's Bridge by Canal

286

22.5.43, cont. R. Canal, KD., cont.

Taken at 1. (19 minutes from 1st area collected at 22.5.43)

Saunders 1 = *Psithyrus* sp. (indeterminate)

Chrysomitris sp. 1

Empidonax sp. 1 (possibly 2)

Acridothera sp. 1

Protonotaria sp. 1

Stenocercus sp. 1, ant. 23.

Leptopygia sp. 1, ant. 23.

Hebe sp. 1

Myiophobus sp. 1

Regulus sp. 1

Leptopygia sp. 1, ant. 23.

Emmottia sp. 1

Empidonax sp. 1, ant. 23.

Opius sp. 1, ant. 23.

Pentapleura sp. 1, ant. 23.

Phaenocarpa sp. 1

Aspilota 4 = *A. proterea* 1, ant. 16.

A. subopaca 1, ant. 16.

A. (Eg.) sp. 1, ant. 16.

A. (Eg.) sp. 1, ant. 16.

287

22 & 43, cont. Royal Canal, W.D. cont.

Taken at 1, cont.

Exochus *monticola* 1 ♂, 1 ♀, 1 ♂, 1 ♀

D. bellator ♂ - *D. longicauda* ♂

D. affinis (2 ♂♂) ant. 24, dark legs, etc. dark legs

D. elegantula ♂, ant. 32; ♀, ant. 27.

D. mixta ♀, ant. 20.

D. (Gyrocampa) uliginosa ♀, ant. 23.

Phaenocarpa ♂, ant. 13.

Phaenocarpa ♂, ant. 13.

Phaenocarpa ♂, ant. 13.

Proctos 11: six mounted!

Chalcids 5, mounted.

Cynipids 4, mounted.

[Chalcid ♀ *Torymus*? ♂? taken by young
between Pike Bridge & Lock (Deer Bridge)
investigating gall of *Gynis* (*Rhodophytus* roseae)
in canal bank]

3. 5. 1932 - 1
2. 10. 1932
AMS

288

22 & 43, cont. R Canal, W.D. cont.

Taken at 2 to include some large ich. taken
in the place above canal (taken from 4-5 ft. deep
in the canal bed 20-30 ft. deep)

Sam. fl. ♂, *Ametastegia glabrata* ♀.

Ich. ♂, 1, 2 ♂♂

Proctos ♂.

Phaenocarpa ♂, ant. 13 = *Phaenocarpa*, ant. 30+31(2)
with very small.

P. humilis ♀, small.

P. debilis ♀.

Glypta ♂, small.

G. longicauda ♀.

Triclistus ♂, small.

Stenomacrus 2 = *Stenomacrus*, ant. 27+28(2)

Exochus 4.

Leptopygus ♂, ant. 25

Brachymeria ♂, ant. 25, but of *Brachymeria* ♂, ant. 25.

Aspilota (*Aspilota*) ♂, ant. 25

Exochus ♂, ant. 25

Proctos 2: small.

Cynipids 1: small.

[All sent escaped when cork came out!]

none mtd.

none mtd.

not mtd.

289

22.8.42 cont. R Canal, KD, cont.
Taken at 3. [18 mounted for 52 but labelled 20.8.42]

Cynipids 3. 2 mounted = *Homocidus* 2. none mtd.

Homocidus ♀, dead, not mtd, otherwise mtd. 24.

Praon *trivinctum* (= *pulegiarum*) among mtd. 18.

Promethes sulcator 2. none mtd.

P. clivator 2. none mtd.

P. clivator on *Pinus* 2. 1 ♂, 1 ♀ mtd. both 20.

Homocidus chloripes ♂. none mtd.

H. pallipes ♂.

H. cf. pictus ♀, not mtd, out. 20.

Leptopygus *harpurus* ♂.

Th. laticinctus 2 ♂, 1 ♀. none mtd.

Loxophaga 4.

Apanteles cf. diffusus?

Stenomacrus fulvipes ♀, out. 17. mounted on 24. back.

Dioctes novus ♀♀ common. none mtd.

Opus *caesus* ♀♀ 8. mtd. 17.

Brachymeria ruficornis ♂, out. 37.

290

22.8.42, cont. R Canal, KD, cont.

Taken at 3, cont.

Tenocampa annula 2 ♀♀, out. both 22.

Aspilota fuscicornis! ♂, out. 17.

Dacnusa areolaris, 2 ♂, 1 ♀, out. 17.

D. longiradiata ♂.

D. cf. fuscicornis with dark like *clivator*, but no dentate mesal side. only 27 seg. antennae.

= *D. rufipennis* *nitens* (see notes on pp. 272 & 274, cont.)

Aphidius *brunneus* 2 ♂, 1 ♀.

Aphidius *flavicornis* ♀, 11 seg. ant.

Praon 3; only 1 mtd.

Chalcids 8; none mtd.

Cynipids 2; none mtd.

291

22.8.42, cont. R. Canal, KD, cont.
 Taken at 4. (19 numbers from 4.5 then labelled 25/12/1945)
Platypterus vibratarius ♀, ant. 36, 21.0. to back
 Long. 1.5 mm. 4: 3-sect. on *Brachypterus* 2.5 mm.

Wes. Leptocryptus ♂, ant. 26.
Leptocryptus ♂, ant. 26.
Engelmannia ♂, ant. 22.
Calymene ♂ = *Calymene* ♂, ant. 25.
Mesochorus ♂, ant. 28.
Stenomacrus sp. 3 ♂, 1.5 mm, 1.5 mm, 1.5 mm.
St. of m. m. ♂, smaller, ant. 25.
Leptopygus *larvaceus* 4 ♂♂.
Long. Leptocryptus 4.

Rhyssalus ♂, ant. 25.
Mesochorus ♂, ant. 25.
Leptocryptus ♂, ant. 25.
Leptocryptus ♂, ant. 25.
Platycryptus ♂, ant. 25.
Leptocryptus ♂, ant. 25.
Leptocryptus ♂, ant. 25.

292

22.8.42, cont. R. Canal, KD, cont.
 Taken at 4, cont.

Calymene ♂, ant. 25.
Calymene ♂, ant. 25.
Calymene ♂, ant. 25.
Calymene ♂, ant. 25.
Calymene ♂, ant. 25.
Calymene ♂, ant. 25.

Pras. m. m. ♀.
Pras. m. m. ♂.

Chalcids 7, including 2 *Chalcids*, still kept.

Chalcids 3.

29th

22.8.43, cont. R. Canal, K.E. cont.
 Taken at S. [Only one mounted from 5 others labelled 20.8.1943]

Aphidius pumilus ♀
Pimpla detrita
Theridion ♀
Emphysalis ♀

Apanteles glaucatus ♀
Exochus white & narrow ♀♀
Aphidius (Lysichus) parvicornis ♂

♂ very small
 ant. 17 & 18

Dacnusa areolaris & *punctator* 11.43

Aphidius rostratus ♀, ant. 16.
Pentos 2: 1 mtd.

Chalcids 3: 1 mtd.

1 mtd. of *Exochus* taken
 on 25.8.43
 29.8.43
 1 mtd. of *Exochus* taken
 on 25.8.43

24th Aug 1943 at 8 P.M. saw a party of
 6 Swifts over Blenheim. Whitefield Road
 after rain was for some time but not
 a few were seen about 10.15.1943

29th

25th Aug 1943. Fine, returned to Tisbury
 in daylight (9.0 AM) after a walk in
 the wood by 11 AM. Saw a few *Exochus* & *Aphidius*
 Killigarr, just S. of the canal, the ground
 blackened, & many of the trees & bushes of
 willow & the *Exochus* & *Aphidius* taken
 from the wood. 6 P.M. time taken
 in collecting. The sky was cloudy
 and from SW-W, clouds with rain
 at times, very hot sun at other
 times. 6 being shown at
 4.30. made collecting in the glass
 impossible, as I had planned.

Swift notes of late at Killigarr, also on many
 small *Exochus* taken at foot of hedge, also a
 few in sheltered corner of field adjoining
 lane. Two swift off Alder in Blenheim
 just after tea & before shown & 2 or 3 birds
 taken with another after shown on way down
 after 10.15.1943. *Aphidius* taken = (1st of) 2 mtd.

Saw Red Admiral butterfly at Killigarr.
 On 24.8. Then two stopped on way out in
 morning.

297.

26 E. 48, cat. Killarney, W.I., cat.
Dacnusa areolaris group 1♂ = smaller, smaller.
D. areolaris ♂ & ♀: (Aug 23) (14) (Oct 27) also etc.
D. areolaris ♂ & ♀, ant. 22, 23, 24, 25, 26, 27.
D. areolaris ♂ & ♀, ant. 34.
D. areolaris ♂ & ♀, ant. 32.
D. areolaris ♂ & ♀, ant. 31.
D. areolaris ♂ & ♀, ant. 30.
D. areolaris ♂ & ♀, ant. 29.
D. areolaris ♂ & ♀, ant. 28.
D. areolaris ♂ & ♀, ant. 27.
D. areolaris ♂ & ♀, ant. 26.
D. areolaris ♂ & ♀, ant. 25.
D. areolaris ♂ & ♀, ant. 24.
D. areolaris ♂ & ♀, ant. 23.
D. areolaris ♂ & ♀, ant. 22.
D. areolaris ♂ & ♀, ant. 21.
D. areolaris ♂ & ♀, ant. 20.
D. areolaris ♂ & ♀, ant. 19.
D. areolaris ♂ & ♀, ant. 18.
D. areolaris ♂ & ♀, ant. 17.
D. areolaris ♂ & ♀, ant. 16.
D. areolaris ♂ & ♀, ant. 15.
D. areolaris ♂ & ♀, ant. 14.
D. areolaris ♂ & ♀, ant. 13.
D. areolaris ♂ & ♀, ant. 12.
D. areolaris ♂ & ♀, ant. 11.
D. areolaris ♂ & ♀, ant. 10.
D. areolaris ♂ & ♀, ant. 9.
D. areolaris ♂ & ♀, ant. 8.
D. areolaris ♂ & ♀, ant. 7.
D. areolaris ♂ & ♀, ant. 6.
D. areolaris ♂ & ♀, ant. 5.
D. areolaris ♂ & ♀, ant. 4.
D. areolaris ♂ & ♀, ant. 3.
D. areolaris ♂ & ♀, ant. 2.
D. areolaris ♂ & ♀, ant. 1.

Proctos. abundant - about 20 in each.

Chalcids common

Diptera common

298.

25th August 1923. Taken by E. O. Maloney
 on Alder, North Bull, Co. Dub.
Papilio ♂ & ♀, ant. 18. *Hemitelia* ♂ & ♀, ant. 21.
Meteorus 3♂♂.
Chalcid ♂ & ♀.

29th August 1923. After a dry morning, but cold
 night, heavy rain at 5.30 AM, clearing at
 9.30 AM (clouds) to bright, sunny day.
 - Left on a strong SW wind at 10.30 AM,
 no sun after noon, reached Limerick Bridge on
 Royal Canal, Co. KD. Collected by sweeping
 along W. side of turf-cut field, behind
 canal & by road. For about 1.15
 2 PM. with vegetation rather wet, but the
 heavy rain came on in evening of a
 secondary depression from SW. After lunch
 taken under lee of bridge, rode home.

Royal Canal. W. of Limerick Bridge, Co. KD.
 Swift along grassy edge (W. side of field) on
 amongst reeds in canal patch on edge of turf-cut.
Bombus agrorum ♂ & ♀. Several seen on
 Wapwood, etc., just before rain came on
 [6.4.1923 & 6.5.1923]

29 E 43, cont. R. Canal, KD., cont.
 And one grasshopper seen. Fresh 1/2 of 2 at 10.
 Vesp. 10/10/01.
 Many small *Myrmica* nests. *M. ruginodis* &
M. crinitipes common.

Delphinium 1 ♀, ant 26.

S. latrator 1 ♂, ant 21.

S. 1/2 1 ♂, ant 21.

Cryptus 19 (5 kept) = *C. longipes*? 1 ♂, ant 21.

H. 1/2 1 ♂, ant 21, with black of

H. 1/2 1 ♂, ant 21, with black of

H. 1/2 1 ♂, ant 21.

Triclistus bellator 1 ♂, ant 21, 2 ♀, ant 21.

S. latrator 1 ♂, ant 21, 1 ♀, ant 21.

Glypta curvipes 1 ♀

Exochus curvipes 1 ♂, ant 21, 1 ♀, ant 21.

Exochus curvipes 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

29 E 43, cont. R. Canal, KD., cont.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

H. 1/2 1 ♂, ant 21, 1 ♀, ant 21.

20 Sept. 1943. A fine day with much hot sun but strong cool SW wind & some showers in early afternoon, but none at Luccombe & nearby then for some time after some hot but with light rain.

In afternoon rode to Luccombe & collected there from 4 till after 6 PM. Rather windy in places, but in others the some common insects very abundant in fact too common.

Luccombe someone, C. D. H.

Swifts in areas as follows:—

- 1 = just above barrier on river wall, for 100 yards
- 1 between wall & river
- 2 = same place but side of wall away from river
- 3 = both sides of wall just below barrier & under large oak trees, etc.
- 4 = just below gateway on main avenue near gate turbine, under beech trees, above meadow, including Syon, etc., & along meadow at same place.

2.9.43 cont. Luccombe someone, D. H. cont.
 Taken at 1. [30 min. to 7 pm] (the collected at 12 noon)
 C. D. H. 1 ♀, ant. 22.
 Cryptine 10 (1 kept 5) = 30 min. 1 kept 1, ant. 17.
 Hemiteles 3 ♀, ant. 20. Plectiscus 1 ♂, ant. 23.
 H. 1 ♂, ant. 22.
 H. 1 ♀, ant. 20.
 Acridantyla made in ♀, ant. 22, not in its back.
 Pimpla 1 ♂, ant. 22.
 P. salicaria ♂. P. pilicornis ♂, ant. 22.
 P. nigritarsis 2 ♂♂. P. latipes ♂, ant. 22.
 Pimpla 1 ♂, ant. 22. 1 ♀, yellow with black, ant. 22.
 Mischocyttarus 1 ♂, ant. 22.

Swampy Thicket ♀ = Plectiscus pilicornis & denticulatus (1 kept, 20 kept).

Mischocyttarus ♂.
 Opius 1 ♂, ant. 22.
 O. caerulea 1 ♂, ant. 22, small black with black legs.
 Pimpla 1 ♂, ant. 22, rather pale legs & abd., ant. 26.
 Aspilota 1 ♂, ant. 22.
 G. 1 ♂, ant. 22.
 G. 1 ♂, ant. 22, from under stones.

2.9.43, cont. Luccan, 2500, cont.

Taken at 1, cont.

Dacnusa areolaris group abundant, probably including *D. longipes* = imm. etc.

D. bellina or not id.

Ephedrus plagiator ♀, ant. 11

Ephedrus sp. or not id.

Proctos. ♀ 2 mounted

Chalcid. 1 small species =

G. nigriventris 3, not id.

Taken at 2. [7 mounted from 2 & then labelled 5.1.1946.]

Ephedrus 2, not id.

Homocidus long. 2 ♀♀

Stenobothrus 2, not id.

E. p. p. p. ♀, ant. 21 =

Dacnusa *areolaris* group

Proctos. 17: 2 mounted

Chalcid. 1 small species =

G. nigriventris 3, not id.

Ephedrus 2, not id.

Proctos. 17: 2 mounted

Chalcid. 1 small species =

G. nigriventris 3, not id.

Ephedrus 2, not id.

Proctos. 17: 2 mounted

2.9.43, cont. Luccan, 2500, cont.

Taken at 3. [24 mounted from 2 & then labelled 5.1.1946.]

Ephedrus 2 ♀ 4 old. *Stenobothrus* 1 ♂ 2, not id.

Proctos. 4, ant. 15. *Homocidus* 1 ♀, ant. 20.

Stenobothrus 1 ♂, ant. 20.

Stenobothrus 1 ♂, ant. 20.

for some time! not id.

Mesochorus 1 ♀, ant. 20.

Blacus *superioris* ♂ & ♀: not id.

Opius *superioris* 2 ♂♂, ant. 22 & 26.

O. communis m. ♂, ant. 23. *O. parvulus*? ♂, ant. 21, immature.

O. cf. communis or *lucis*: ♂, ant. broken; 2nd cubital cell more parallel-sided than in above ♂.

Blacus *contractus* ♀, not id.

Phaenocarpa *conspicua* 1 ♂ large ♀: not id.

Aspilota *dentifrons* ♀, ant. 20. & see other specimens =

A. cf. dentifrons 2 ♂♂, ant. 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

A. rubipes m. ♂, ant. 22. *A. picticornis* m. ♀, ant. 17, more pale than type.

A. (Aspilota) *parvulus* m. ♂, ant. 22.

A. (5) ♀, ant. 22.

Dacnusa *areolaris* group 1 ♂, ant. 22.

D. longipes ♀.

2.9.43, cont. Lucas, Q. cont.

Taken at 2 cont.

Prionoxystus ♀

Aphidius lacertorum ♀ } not mtd.

Triclistus ? of 2 ♀ very minute, ant. 11, segments 1-4 pale yellow, 5

Aphidius spp. 200, 14. none mtd.

Proctos 16: 7 mounted =

Chalcids 4

Cynipids 3 } 2 mtd.

Red Admiral (1) & Peacock (3) Butterflies
seen by path along river

2.9.43, cont. Lucas, Q. cont.

Taken at 4. [34 minutes from the labelled 7.1.1944!]

Stenobothrus *albipennis* ♂, ant. 22.

Exochus ? of 2 ♀, ant. 22.

Exochus ? of 2 ♀, ant. 22. *Stenobothrus* ♂, ant. 22.

Proctos *cognatus* ♂ } Subgenus of the ♂, ant. 25

P. pilosus ♀ } not mtd.

Hemiteles *proterops* ♂, ant. 22.

Stenobothrus *ventralis* ♂, ant. 22.

St. of *reifer* ♀, ant. 20.

St. of *affinis* ♀, ant. 22.

Mesochorus ♂, ant. 22.

Plectiscus ? mtd. incomplete, ♀, ant. 20 =

Chalcids *brunneus* 3 ♀♀, not mtd.

Blacus *infernus* ♀, not mtd.

B. of *filicornis* m. 13 ♂♂, 5 ♀♀, ant. 19(♂) & 17(♀).

B. *thoracicus* ♀, ant. 17.

Triclistus *ap. nitida* ♂, ant. 45.

Opius *infernus* ♂

O. *laticornis* ♂, ant. 27.

309

2.9.43, cont. Lucas, Dist., cont.

Taken at 4, cont.

A. pilate off *E.*, mostly *♀* =

A. cf. pilate (small) *♀*, long 17-18 - very small. *A. cf. pilate* 20, ant. 21

A. cf. pilate - large, yet small, *♀* with trachea visible, ant. 19

A. cf. pilate - 4 *♀♀* (one darker than the others) - no duples, ant. 18, 17, 18 & 19

A. pilate - 1 small *♀*, ant. 16

Dacnusa areolaris group very common

D. fulvipes *♀*

D. leptogaster *♀* (not until)

D. quadra *♀* & *♀* - ant. 30

D. macrospila Hal. - a very nice *♀*, abdomen soft as usual, ant. 23

D. cf. areolaris *♀*, ant. 34

Chalcididae: no specimens!

Plectiscus abundant: 12 *♀♀* & 1 *♂*

Chalcididae 4

5. Tiffinbury Holiday: Sept. 1943.

310

9th Sept. 1943 (Thursday). Left Dublin 6.25 for Limerick Junction. With *baggage* (with *baggage* & *baggage*) from Glen of Aherlow Hotel, but left on *baggage*. A fine dry day with strong S.W. wind, but sun & cloud. Rode from Limerick Junction (about 2.45) via Tiffinbury, over *Thames* via *Thames* ridge to Glen of Aherlow, crossing *Thames* ridge of the *Galties* to the south & the *Thames* side rising to the north & west of the summit of the *Thames*, ca. 850 ft. On the way up the ridge stopped at about 600 ft. beat our lunch on *baggage* but sun & did a very little *baggage*, then on to hotel 1/2 mile W. of Newtown at foot of road over ridge. Before tea had walk of about 2 miles over Aherlow River & back, but did not collect, except 1 for *Thames* or hotel *baggage*. This area is all Old Red Sandstone conglomerate!

4 Hillsides on N. slope of *Thames* at ca. 600 ft. Co. ST. 2-30-3-30 PM. On *Thames* *Thames* saw 1 Red Admiral, 1 very small Painted Lady & 1 Small Tortoiseshell. *Thames* *Thames*. A *Thames* *Thames* (1 *Thames*) flew past on *Thames* *Thames* (1 *Thames*).

Homocidus pallipes

10.9.43, P.M. cont. Ballinacorney, S.T., cont.
Colletes braconator 2 ♀♀ - not mtd.
Capilata curvipes ♂ - not mtd.
A. (Hymen.) det. mtd. ♀, not mtd, small 2 specimens.
Dacnusa areolaris ? ♀ not mtd.
D. melanocera ♀, not mtd, 23, 1 minute specimen (over 1000000).
Praon volucre ?? ♂ - not mtd, 40 (back to P. mtd - mtd?).
 (very small!)

Rorota 17. (mounted 8) =

Chalcids - 8 (mounted 2) =

11th Sept. 1943. Another wet morning, without a
 breath of wind, after a night of continuous torrential
 rain. Clouds about noon as a previous day &
 by 1.30 and then sky clearing, but rain still with
 S.W. breeze. Before lunch walked up stream to south
 of Ballinacorney House & on river bank through first
 collected for ten or 15 minutes with net, chiefly off
 banks & among (covered with white) grass & ferns. Took
 a lunch break some place, i.e. S. of river
 & near S. wall of old garden. On my back along
 stream, saw in Section 13 Red Admiral, 3.
 Peacock & 2 Painted Lady Butterflies, as well as
 several Spotted Wood White & Small Copper
 = 11.9.43 (1). Blended yellow butterflies seen
 around (S.W. of) during lunch in later.

In afternoon rode south to Galbally & then
 up the Glaciat in flow channel from the
 west, called Glaciaty. Collected by stream about
 1/2 mile W. of Galbally in Glaciaty. Rode in
 in Co. Limerick. On my home turned right
 at top of Kilmucke estate on to road on E. side
 of Glen of Aherlow & so back to hotel by road
 from road to N.E.

319.

11th Sept. 1943, A.M. = (1) 31.1.43.Hail in the (G. stream) in Ballinacorney demesne
G. ST. I.P.M. [17 mounted from 1 + then labelled 13.1.1944]*Cratichneumon* in abundance, *B. lucorum*, *Stenobothrus*
+ *Phaenocarpa* *de-lucis* faded etc.*Helictes* *monticola**Cratichneumon* *varius* ♂ taken on the 11.9.43*Athalia* ♂, pink like not winged black*Cratichneumon* *coloratus* ? ♀*Ichneumon* *lucorum* ♀ seen*Cryptus* 10, 243 (very little mounted) =*Hermitas* ♂, black up with broad abd. + 22 seg. antennae*Pimpla* *spuriata* ♂, large ♀, ant. 34*P. maculata* ♀, very fresh, ant. 34*P.* ♂, *de-lucis* ♂, ant. 22*Ichneumon* *monticola* ♂

100 pale pink ones, none mtd.

100 all common black

Barichneumon common + *Stenobothrus* common with large

black aphididae

Homocidus *fuscicornis* ♂ + ♀ of 2 sizes, large*H. ornatus* ♀, ant. 23. (small ♂ + 1 small ♀ = 2 left off mounted, antennae respectively 21, 20, 20 + 19)

320.

11th Sept. 1943, A.M., cont. Ballinacorney, ST, cont.*Homocidus* *fuscicornis* ♂, ant. 22*H. fuscicornis* 2 ♂ + ♀, ant. 21 + 22*H. fuscicornis* ♂, ant. 22, seen on the 11.9.43= *Stenobothrus* var. with small, ant. 23.*Cratichneumon* *fuscicornis* ♀, ant. 31. *Cr.* ♂, ant. 31.*Cr. fuscicornis* 2 ♂ + ♀, 1 ♀ (2 ♂ + ♀) (2 ♂ + ♀)*Phaenocarpa* ♂ = ♂ of 11.9.43, same wings, antennae like black

=

Ichneumon *lucorum* ♂, ♀; 2 ♂ + ♀, 1 ♂ + ♀ (seen)*Microgaster* *subcapitatus* ♀*Proctos* - 1*Chalcid* 111th Sept. 1943, afternoon (i.e. P.M. or "2")

Stream + roadside, Glenties, Galbally, Co. LK.

[17 mounted + then labelled 13.1.1944] 5.30-6.0 P.M.

Cryptus 5.*Pezomachus* ♂*Pez.* ♀

Continued at foot of

Continued at foot of
next p. →

13.9.43 afternoon. = (2) 13.9.43

North Wind. Town above + E of Gladys Bridge

Aberlone, Co. S.T. 5 to 6 P.M.

Bombus muscorum 2 on *Scabiosa succisa*

B. agrorum 2 on 29.

B. lucorum 1 on 1 - I think *B. lucorum* in fact!

B. lapidarius 2 on 1

B. lucorum 2 on 1

Bombus lucorum 2 on 1

B. lucorum 2 on 1

Bombus lucorum 2 on 1

Bombus lucorum 2 on 1

[*Yersinia enterocolitica* 2 on 1, very bad along river road]

[*Hamatelia* 2 on 1, not *Hamatelia* in fact!]

[*Hamatelia* 2 on 1, not *Hamatelia* in fact!]

13.9.43, AM., concluded from p. 326. Aberlone, S.T., cont.

Proctos 22; 6 mounted

Chalcids 3: none mtd.

Cynipids 2: 1 mtd. =

14.9.43. A sunny morning (after a fine night) with

wind - North on the whole & light rain, turning

into a fine rain afternoon after midday

rain off & on from noon till 2 pm.

Rode across valley on bike & returned to

L. Curra, where had lunch in mid of 2.20 pm.

Later went up gully - cliffs at 5.15 of road

to plateau & round head of road to L. Curra

Table & summit of gully, 3,015 ft., then

had afternoon tea about 5 PM. in the summit

& in morning: after tea some had and

went to Huffs S. of lake at 2.25 &

visited Hart's 1800 station for *Scabiosa*

potensis & came back to bike via ridge

N.W. of lake on which stands the pile of stone

known locally as The Stone heap.

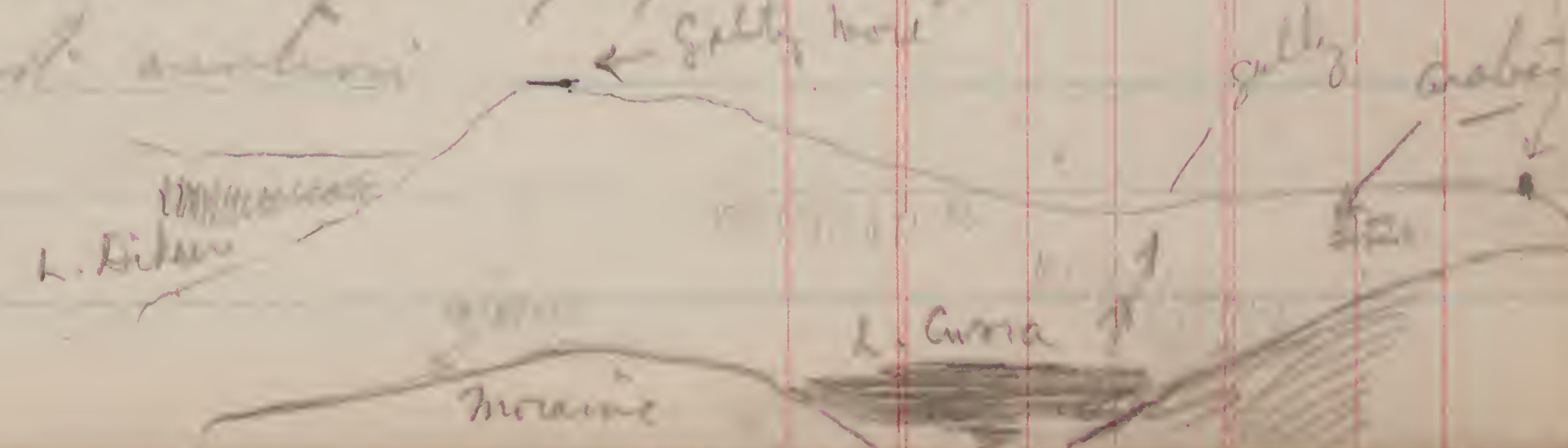
Saw all plants mentioned by Hart except

Oxyria, which for some reason is "lost"

& also saw *Carex rigida* all over summit

& plateau above 2500 ft., which for some reason

he does not mention



14. 9. 43, cont. L. Curra & Galtymore, ST, cont.
 Only one form of mossy scumfuge seen, nearly as late
 as broad leaves, resembling one of the fern fronds
 in texture. Many plants seen, e.g. at the cliff
 with *Arabis* putrescens, at higher altitudes the
 recorded by Hart. The only insects seen
 being a few small *Brachymeria* on
 way up but below 2,000 ft., several great lots
 of them seen on summit when it had been a very
 species of *Carabus* *subulatus*. Taken on way up
 gully at about 2,200 ft., but the only part of
 the way up from the car was a wet path with
 some dry weathering & the later in mud & wind a
 few insects could be seen in a path with the wind
 path. On the summit the force of the wind was
 about two feet to face - the gully down the S slope
 there was no wind at all in some places.
 One small moth seen by Spring just below the
 Caughy cliff (which was a shelter) on return from
 collected mosses for Ben Macneil Thomas & Mr. Pugh
 at 3 miles - (When it had been 2,000 ft., or more
 at Ben Macneil, say, 3,000 ft. & at Caughy, say
 say 2,500, according to Hart.

15th Sept. 1943. A fine fresh morning with
 strong W. wind, after a fine night with full
 moon (thrust moon), turning misty in afternoon
 with slight rain. This is a strong wind, but
 gradually veered from W to SW, but no rain.
 Did not go out in morning, but went to market.
 In afternoon walked up to house in rocky valley
 of "M. Shepherd", an evener from England, to
 examine skeleton of Irish Elk then, but this
 turned out to be that of a deer of a few years
 ago (the Kildare St. Club, Dublin, & not of
 local origin as stated by the natives).
 On way up through dense & very dense scrub
 sides of avenue (= 1), & later 4.30 P.M. or up
 under large trees in field NE of wind house
 & along lee side of hedge in some fields opposite
 the stable (= 2) & between some hedges & back
 avenue, under trees along course of small stream (= 3)
 Ballinacorney, demesne, Cherlor, C. ST.
 Taken at 1. (B. & G. - 10.11.42, 10.11.42, 10.11.42)
 Phengoid ♀ = *Phengoides* *sp.* *sp.*
 Lophomyia ♂ = *Lophomyia* *sp.* *sp.*
 Promethes *subulatus* ♂: not seen

15.9.43, cont. Ballinacorney, ST, cont.

Taken at 1, cont.

Elythrus *maritimus*?

Euclyptus *fulvus* ♀, ant. 33

Stenomacrus *rubellus* ♀, not mounted

St. rufus ♀, ant. 30. *St. nubilus* ♀, ant. 30

Dicranus ♀, ant. 29

Chalcid ♂, ant. 19 =

Colletes *lucorum* ♀

C. hirsutus ♀, ant. 35

Blacus *ruficornis* ♂ ♀, ant. 30

Opius *irregularis* ♀, ant. 33

Phaenocarpa *prostrata* ♀, small, not mounted

Aspilota *apicicornis* ♂, ant. 19 = cf. *prostrata* (MS. 19.4.43)

Dacnusa *laevifrons* = 18 ♀♀, none mtd.

Pentapleura 7 (1 mounted)

Chalcids 2 (1 mounted: yellow & green ♂)

=

15.9.43, cont. Ballinacorney, ST, cont.

Taken at 2. [28 more from 2 = 28 more from 15.9.43]

Elythrus *maritimus* ♀, 2 mtd = 15.9.43

Euclyptus *fulvus* ♀, ant. 33

Stenomacrus *rubellus* ♀, ant. 30

St. rufus ♀, ant. 30. *St. nubilus* ♀, ant. 30

Dicranus ♀, ant. 29

Chalcid ♂, ant. 19 =

Colletes *lucorum* ♀, ant. 35

C. hirsutus ♀, ant. 35

Blacus *ruficornis* ♂ ♀, ant. 30

Opius *irregularis* ♀, ant. 33

Phaenocarpa *prostrata* ♀, small, not mounted

Aspilota *apicicornis* ♂, ant. 19 = cf. *prostrata* (MS. 19.4.43)

Dacnusa *laevifrons* = 18 ♀♀, none mtd.

Pentapleura 7 (1 mounted)

Chalcids 2 (1 mounted: yellow & green ♂)

=

Colletes *lucorum* ♀, ant. 35

C. hirsutus ♀, ant. 35

Blacus *ruficornis* ♂ ♀, ant. 30

Opius *irregularis* ♀, ant. 33

Phaenocarpa *prostrata* ♀, small, not mounted

Aspilota *apicicornis* ♂, ant. 19 = cf. *prostrata* (MS. 19.4.43)

Dacnusa *laevifrons* = 18 ♀♀, none mtd.

4/3/43

15.9.43, cont. Bellinacounty, S.T., cont.

Taken at 2, cont.

Proctos. 31: only 2 mounted -

Chalcids 8. 7

now mtd.

Cynipids 1.

Taken at 3. 26 mounted from 3 & then labelled 31.1.1946

Cynipids 7. now mounted

Microdactyla degeeri ♀, ant. 20.

Stenomacrus scutellatorius ♂, ant. 19.

Leptopygus harpurus 2♀♀, ant. 21

Mesochorus ♂ } not mtd.

Apanteles ♂

Blacus ruficornis 2♂♂. B. bipunctatus 2♂♂, 2♀♀

Cephus ruficornis & C. angulatus ♀♀ (5 mtd.)

Proctos. - sp. 10♂, ant. 17.

ant. 20) 29 (ant. 22)
♀ mtd. 1946

3/4/43

15.9.43, cont. Bellinacounty, S.T., cont.

Taken at 2, cont.

Aspilota 14 including "P. curvatus" ♂, ant. 24. = gibbula Hal., ant. 24.

A. cf. maculipes, ant. 22, 23, not mtd. A. cf. fulvipes ♀, ant. 21.

B. cf. fulvipes Hal. (very small) ♂, ant. 21. A. distans Hal. ♂, ant. 22. (very small) ♂, ant. 21.

A. cf. maculipes ♂, ant. 22, 23, not mtd.

A. cf. maculipes ♂, ant. 22, 23, not mtd. (very small) ♂, ant. 21.

Dacnusa areolaris, pubescens, hirsuta ♂, ant. 21. D. cf. areolaris ♂, ant. 21.

D. elegantula ♀. D. derisus ♂, ant. 21. D. offensus ♂, ant. 21. (not mtd. 1 can??)

D. aphanta ♂, ant. 21.

Proctos. - 8: 2 mtd. =

Dacnusa
offensus
2 small mtd. ♂♂
with widely
spaced
setae, ant. 21.
with
setae, ant. 21.
with
setae, ant. 21.

Aspilota (Synaldis)

distans (Hem.) Thoms.
a small ♂, ant. 21. (very small) ♂, ant. 21.

A. (Synaldis) cf. distans ♂, ant. 21.
which is probably to distans
(with rather pale legs).

Chalcids 7.

now mtd.

Cynipids 1.

16. Sept. 1943.

After a fine night & a morning with rain, an easterly draught brought rain on hills at 10.30 a drip started which steadily increased to heavy rain which lasted till 7 P.M. No wind except E. draught, all day. Sun still rising slowly all the time. Sat insects all day.

Taken from 1st & 2nd floors
of house = 1st floor = 1st floor
Hemiptera

347.

17. 9. 43, AM. Old Road & Co., 100 yds. N. of
 road from hotel to Tipperary,
 Charleville, Co. ST. 1.30.

Helictes albipennis 1 ♂, 1 ♀, 1 ♂, 1 ♀
 & *H. leucopus* 2 on roadside bank below hotel.
Cratichneumon 3 ♂, 1 ♀ near Amphibia
Stenobothrus 1 ♂, 1 ♀, 1 ♂, 1 ♀ near
Pygostolus 1 ♂, 1 ♀, 1 ♂, 1 ♀ near same.

Amelita palliata 1 ♂, 1 ♀, 1 ♂, 1 ♀

[58 minutes of 1 hour labelled
 24 1 146.
 11. 9. 43]

Stenobothrus 1 ♂, 1 ♀, 1 ♂, 1 ♀

Pygostolus 1 ♂, 1 ♀, 1 ♂, 1 ♀

Stenobothrus 1 ♂, 1 ♀, 1 ♂, 1 ♀

Pygostolus 1 ♂, 1 ♀, 1 ♂, 1 ♀

Stenobothrus 1 ♂, 1 ♀, 1 ♂, 1 ♀

Pygostolus 1 ♂, 1 ♀, 1 ♂, 1 ♀

Stenobothrus 1 ♂, 1 ♀, 1 ♂, 1 ♀

Pygostolus 1 ♂, 1 ♀, 1 ♂, 1 ♀

Stenobothrus 1 ♂, 1 ♀, 1 ♂, 1 ♀

Pygostolus 1 ♂, 1 ♀, 1 ♂, 1 ♀

Stenobothrus 1 ♂, 1 ♀, 1 ♂, 1 ♀

Pygostolus 1 ♂, 1 ♀, 1 ♂, 1 ♀

Stenobothrus 1 ♂, 1 ♀, 1 ♂, 1 ♀

348

17. 9. 43, AM, cont. Charleville, ST., cont.

Pygostolus 1 ♂, 1 ♀, 1 ♂, 1 ♀

Trichinotus globulipes 1 ♂, 1 ♀, 1 ♂, 1 ♀

Camptoplegid 2 ♂, 2 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀

Cratichneumon 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀

Stenobothrus 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀

Pygostolus 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀

Stenobothrus 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀

Pygostolus 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀

Stenobothrus 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀

Pygostolus 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀

Stenobothrus 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀

Pygostolus 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀

Stenobothrus 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀

Pygostolus 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀

Stenobothrus 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀

Pygostolus 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀

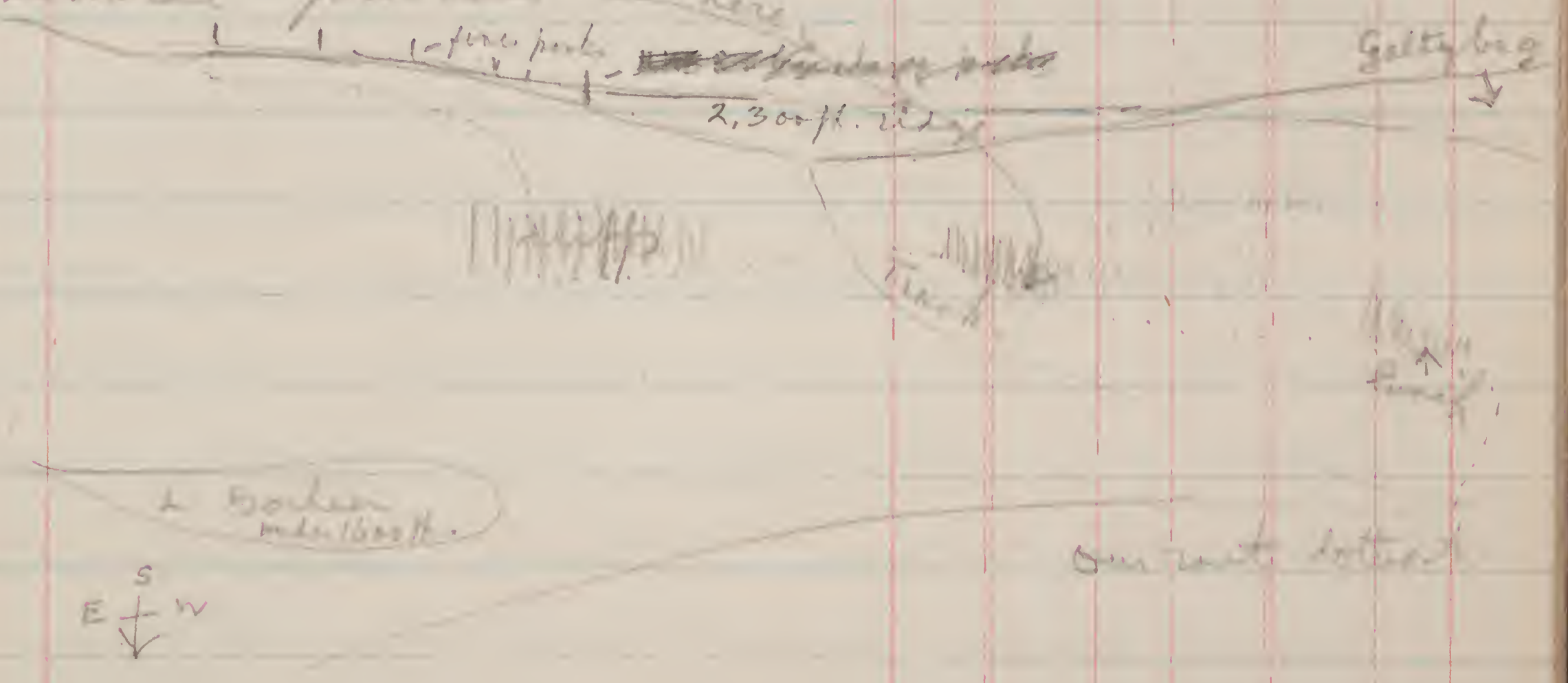
Stenobothrus 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀

Pygostolus 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀

20th Sept. 1943 (Monday) A fine day, with no rain, strong NW. wind, much sun & some clouds after a slight depression with rain in night.

Left hotel at 10.40 on bike & left bike at Gorman for across the valley, at 11.00, walked up between & track & if go to L. Borden, crossed outlet of the lake & walked across across head of valley & along W. slope of Galtysbeg, beneath moraine around L. Borden toomb & east still till we rounded the west ridge & came in sight, but some hundreds of feet above L. Borden, west & above which lake in a kind of a track on the main ridge of the Galtys. crossed the track & climbed to bluffs above & west of it, where had lunch in sheltered spot & in sun. After lunch (ca. 1.45 P.M.) walked along bluffs above & W. of track (which is above & W. of L. Borden) & saw masses of *Hymenophyllum*, *Saxifraga umbrosa*, the patches of *Vaccinium vitis-idaea*, much *Saxifraga* "hairs" both large broad-leaved form & fine-cut species, *Linum* like form, as well as on

20.9.43, cont. L. Borden, Galtys, ST, cont. colony of *Rubus saxatilis* & *Salix herbacea* in several places - here



[On way across slope W. of L. Borden & before coming in sight of it we crossed several streams with many *Saxifraga*, some with only one form & one with both ^{hybrid} forms, like those above L. Borden.]

After again crossing track above & W. of L. Borden we walked along a cliff SW. & above L. Borden & here saw much *Salix herbacea* with leaves as large as a halfpenny, before climbing on to the ridge S. of lake at ca. 2,300 ft. & then walked down to about the height of our last place. Next, after reaching ridge we went East along the

L. Munksg. +

20.9.43, cont. L. Borchers, Galtres, ST, cont.
 North face of "O'Leaphan Gully" + came out half
 way up the cliffs WSW of Lough Munksg. + walked
 along then to the big gully above S.W. corner of the
 lake ^{where had afternoon tea} at 4.30 P.M. we had to leave for
 home & crossed ridge between L. Borchers & L. Munksg. down
 into valley N. of L. Borchers & along S. slope of hill
 2109 & into valley with the borchers which came out just
 E. of Glady Lodge (i.e. the valley reached a 1/2 mile deep
 "Glaciation" but not Hart's valley of that name?). crossing
 the borchers (Borchers) just below the two highest
 farms, we crossed various streams coming off S.
 slope of Galtres & finally that from L. Curra
 & on back to our bicycles at Gorman's just
 in the longish hill range in R.C. Church at
 Lough Munksg. the hill keeps "old time" that
 is from ridge W. of L. Munksg. which we left
 at 4.15, we crossed the long 4 miles in
 2 hours & a quarter reaching Gorman at 7 P.M.
 summer time (i.e. "New Time").

On the cliffs above & west of L. Munksg. we saw
 a wealth of alpine, all recorded by Hart
 except a *Hieracium* of the borealis type

20.9.43, cont. - L. Borchers & L. Munksg. ST, cont.
 of which we saw several plants & most of
 them I presume to be about L. Munksg.
 includes *Oxyria*, broad leaved *Sax. hirta*
 only (not *hypnoides* or *spendens*!), *Asplenium*
viride, *Sedum rubrotinctum*, *Cruciferae*, *Sax. umbrosa*
 & *stellata*, *Thalictrum minus*, *Geranium*,
Carex paniculata on shelf just below upper
 cliff at 1900 ft. Hart, but his height of bed
 is 1510 ft. & not sure, height is 1614 ft.,
Cystopteris fragilis, *Juncus*, *Trigonotis*, *Blue*
Bells (in sand / at wetlands / common flowers),
Cyperus cucullatus & clump of *Salix aurata*, *Ligula*
reptans, *Alchemilla* sp., *Pimpinella vulgaris*,
Hymenophyllum (not so common as above L. Borchers),
Hypnum *puberulum*, *Vicia hibernica*, all
 about 1900 ft. of alt. rose. also here saw and
Molinia caerulea & other lowland plants not
 recorded by Hart at such a height.

At Borchers place, we saw L. Borchers
 at tea place above L. Munksg. at ca. 1900-2000 ft.
 Daisy found several dead & one living

20-9-43, cont. L. Hurley, Galtee, S.T., cont.
Helix nemoralis, all red, unmarked, large, &
 some with white lips, very like the others
 from of this species which occur on
 limestone outcrops at about same
 height in Co. Sligo between Glenties
 & Glenties & about one second at
 head of Glenties.

At same place above L. Hurley I took
Helix rotundata, *Hyalina nitida* &
Sphyradina adentata, one small beetle
 (= *Chrysomelidae*) & a couple of
Diptera. Many insects seen flying
 during the day including a Small Tortoiseshell
 butterfly at ca. 2,000 & Daisy Beetle
 the saw a Peacock at about same level
 above L. Bourne.

Wind very strong on slopes & cliffs &
 vegetation. Helter sky, not after
 several days rain & mist & no
 attempt could be made to sweep for
 insects & no hymenoptera seen
 above level of cultivation or
 stone walls.

21st Sept 1943. A fine clear day, after some
 rain at night, with strong NE wind & some
 heavy showers. Set insects all morning
 but after lunch went into Ballinacorney
 demesne & swept in four areas, taking
 collecting the first by very strong wind &
 heavy showers just before & just after I
 started collecting.

Ballinacorney demesne, Aherlow, Co. S.T.
 3rd 6 2nd 17.

- 1 = under & by sweeping the bush growth at base
 of two lime trees ^{on E side} at old "Binn" corner at
 right angles to Galtee road, 1/2 mile W. of bridge.
- 2 = under small lime tree on the side of road same
- 3 = in stubble field & in shelter of various
 hedges etc. from lime corner to plantation
 S.W. of ruined house.
- 4 = under tree by corner N.E. of ruined
 house (= 2nd station of 15-9-43, in part).
 One of Common Blue butterfly seen at edge
 of stubble field at 3.

21.9.43, cont. Ballinacorney, S.T., cont.

Taken at 1. (Collected for 1.5 hrs. till 2.0.1.1943)

Just before a heavy shower I hurriedly swept
hedge, grass etc. base of two lime trees on
N. side of "lime avenue" & from 2.0.1.1943
the two trees - not collecting much material,
but to my amazement I found the net filled
with most & quantity of hymenoptera that I
kept the collection in hand & kept the
contents of the net in a box - the two required
to clear the net with water & then washed
the whole 15 minutes. Hardly any other insects
were in the net. Unfortunately about 10
specimens were already in the net, taken at
foot of lime trees along road & a few 20-30 ft from
the N. side of the lime avenue - the only account
for a few of the odd specimens, such as the ♂
& ♀ *Blacus ruficornis*. Here is the list of contents:

Blacus ruficornis

Phaenocarpa f. pallipes ♀

Dacnusa ? ♂, red

Hamulid sp. 14 ♀♀, all I think same species

Leptocryptus 20 ♂♂ (2 = 3 spp.)

21.9.43, cont. Ballinacorney, S.T., cont.

Taken at 4, cont.

Pezomachus 100, 488

Other Cryptids 4

None sent

[No *Pimpla* ?]

Stenomacrus ventralis 10, 288

Other *Stenomacrus* 16 (10 ♂♂ + 6 ♀♀) : 5 sent to A.

St. cf. fulvipes 27 (10 ♂♂, 17 ♀♀) : 2 sent to A. (1 ♂, 1 ♀)

St. cf. rufipes 100 ♂♂, various ages, sent 20-22. 2 sent to A. (1 ♂, 1 ♀)

St. cf. ? 100 (22+)

Orthocentrus ♂ & ♀: only the ♂ mounted

= ♂. ♂, red 24. 100 ♂♂, 100 ♀♀, yellow legs, dark hind

Polyblastus ♂

Homocidus pallipes ♂

Microgaster ♀, small sp. None sent

Platygaster 6

365.

21.9.43, cont. Ballinacorney, ST, cont.

Taken at 2, cont.

Pimpla turinellae ♂ f. 1 very small ♀ not mtd.

Othorantia ♀ not mtd.

Stenomacrus 3; 2 mtd. = *St. rufus*? ♂, ant. 21.

St. vittiger? ant. 30.

Securaria not mtd. 2 1 very small ♀ not mtd.

Homocidus pectorator ♂ *H. pallipes* ♀ not mtd.

Leptopygus *terreus* 1♂, 1♀

Mesochorus ♀ not mtd.

Campoplegid 2 (♂ & ♀, 2 mtd) none mtd.

Plectiscus 3; 2 mtd. = *Plectiscus* ♂ ant. 30.

Sp. of sp? ♂, possibly old, ant. 29 =

Rhyssalus clavator ♀, ant. 30.

Rhyssalus circumscriptus? ♂, ant. 37.

Meteorus flator ♀ not mtd.

Blacus 12, including *rupestris*, *tripudians* ♂♂ & ♀♀

dimidiatus 2♀♀ & *hirsutus*? 1♀

Only one mtd. = *B. dimidiatus* ♀, ant. 40.

366.

21.9.43, cont. Ballinacorney, ST, cont.

Taken at 2, cont.

Aspilota spp. 16: all mounted = *A. abjecta* 3♂♂, ant. 25, 20 & 29.

A. cf. nitens 1♂, ant. 32. *A. cf. subopaca*? ♂, ant. 23, not mtd. *A. minutissima* ♀ ant. 16.

A. vulgaris? ♀, ant. 18. *A. rubripes* 2♀♀ - very small: ant. 16 & 15.

A. fuscicornis 1♂ (ant. 18); 2♀♀ (ant. 13 & 16).

A. (Synaldis) cf. parvicornis 2♂♂; ant. 20 & 21.

A. (Sp.) ♂? 1♂ (ant. 22), 1♀ (ant. 17).

Dacnusa laciniator? 2 (1♂, 6♀♀) *D. pubescens* ♂.

D. cf. brevis *Hiern*? ♀, ant. 32 & certainly new sp. or taken at 1.

Praon 39; none mtd.

Chalcids 6; none mtd.

1367

21.9.43, cont. Ballinacorney, S.T. cont.
Taken at 3. [Add. for 3 & 4. Collected on 2.2.1946.]

Stenobothrus ♀, red abd.

Stenobothrus ♂'s another spec.

apparently matching juv. of our rye blackfly
Cryptine 2 (2 rye)

Leucostoma nigrifrons group 4 ♂♂ black feet seen

Phoneta nigripennis pub. & M. ♂ [Hatched above
nests.]

Stenobothrus n. sp.? ♀, ant. 31.

Stenobothrus n. sp.? 2 ♀♀: not mtd.

Uria *isognathus* 1 common in 1 ♂ each: not mtd.

Calypso n. sp. ♀ ♀, ant. 30. *Phaenocarpa* *compuncta* 1 ♂, ant. 30.

Aspilota 3 = *A. minutissima* n. sp. ♀, ant. 7.

A. rubripes: very small ♂, ant. 7. *A. (Epilata)* *parvipes*: very small ♂, ant. 7.

Dacnusa *areolaris* 3 ♀♀, probably *laevifrons*.

Proctotrupes *gravidator*: 1 ♂, taken in
stubble field seen flying over stubble!

Other *Proctos.* 5: none mtd.

Urophora *thalicti* 1: not mtd.

1368

21.9.43, cont. Ballinacorney, S.T., cont.
Taken at 4. [Add. for 4 & 5. Collected on 2.2.1946.]

Epitoma *pygmaea* 3 ♀♀.

Epitoma ♂.

Helictes ♂.

Aspilota *pubescens* group ♀ [Hatched above
nests.]

Meteorus *nigripennis* ♀, ant. 24.

Stenomacrus *nigripennis* 1 ♂, 1 ♀.

St. (Stenomacrus) 1 ♂.

Stenomacrus *contractus* ♂.

Aspilota 10 (5 mounted: see below)

Dacnusa *laevifrons* ♀. *D. dentata* ♀: not mtd.

D. elegantula ♀, ant. 27.

Aphidius ♀: not mtd.

Proctos. 10: none mounted.

= *Aspilota* *dentifrons* ♀, ant. 24;
very perfect & robust example.

A. rubripes 3 very small ♂, ant. 18.

A. pubescens 1 ♂, ant. 17, 2

2 ♀♀, ant. both 18.

Cryptine 30: none mtd.

369.

22nd Sept. 1943. A beautiful autumn day after a clear cold night, mainly sun, but hot with some clouds & light N.W. breeze. Left hotel in lake at 10.40 & left lake on a path at Gorman's across the valley, & walked up path to outlet of L. Lough, then cut across the top of gully, reaching on N. face of Galtymore, collecting & sweeping at foot of gully at ca. 3000 ft. found *Sax. hirta* (broad-band var.) & *Sax. reticularis*, with several *Hartheria* bushes & small, ancient, trees of Rowan near upper limit of open gully, toward east & broadened slope which brought us out on top of great rocks, summit Lough Diben, half way down which to lake we had lunch in hot sun & I did some sweeping amongst *Scirpus* & *Juncus*, & on N. & E. sides of lake with quite good results: saw here also one Small Tortoiseshell Butterfly & Daisy Bug, saw a White Butterfly (? species)

370.

22. 9. 43, cont. Lough Diben & Galtymore, E.T. After lunch rounded E. end of lake & rounded along cliffs, ca. 100-200 feet above E. shore, to W. end, then went up stream to upper cliff at ca. 2600, which must be Hart's station for *Saxum alpinum*. We failed to find the *Saxum*, but did find a belt of *Sax. hirta* with very large brown fringes the base of the uppermost range of cliffs just west of the conspicuous steep leading to the main ridge between Galtymore & Galtymore. We were here expected to find *Saxum* but instead found an abundance of *Juniperus*, as well as at various places on the lower cliffs, particularly noted by Hart only to occur on the cliffs above L. Diben. A single clump of *Sax. hirta* occurred on a wet rock not far above the lake, which had evidently fallen from above & was not "at home" but still alive. The broad-band form of *Saxipraga hirta* is abundant all over the cliffs & one small piece of a new finely cut variety was taken but doubtfully.

28. 9. 43, cont. L. Bicken & Galtymore, ST.
 distinct from the last & rather of the same
 Sap. *Lycopodium* from sea ^{above the cliffs} *L. Bicken* *Rhodod.*
 very abundant from a little above
 the lake to the uppermost cliffs, which
Asplenium *viride* & *Cystopteris* *fragilis*
 occurred here & there in patches, but we
 saw no *Oxyria* on these cliffs, though
Campylopus *reticulatus* & *Crucifera* *alpina*
 were abundant, with *Urtica* *dioclea* at intervals
 over the 2,000 ft. level. Continuing
 upwards we had tea in the cave (5 P.M.)
 in shelter on S. side of summit of Galtymore,
 from which summit (altho' not very clear
 day) we saw the smoke of domestic city &
 the Shannon estuary nearly to its mouth,
 & continuing clockwise, the Depression in that
 line L. Darg (Behind Keeper Mt.), the Glen
 Bloom, *Lupinus* *callia* & *Draklow* *marina*
 Mt. Lepater & Black stone, the Fort Mt.
 S. of Wexford, the sea off 'H. S. Waterford
 coast & many ranges of hills to S.W.
 upon which we could not put a name,

29. 9. 43, cont. L. Bicken & Galtymore, ST.
 while about lunch on peak of Galtymore
 was to the NE, *Crucifera* *alpina* & the
Conocarpus SE, Ballyhoun to S.W., the
 Glen of Agherlow, guarded by the ridge of
 Slieve na nua to the west & N.W., with
 the town of Tappin just beyond the ridge
 & in the plain. *Sin* *scirp* *alpina* seen
 during the day, 3 p.m. E in forenoon &
 then west in afternoon, one of which passed
 us quite close (while having tea) to S.
 & very little above summit of Galtymore.
 On summit of Galtymore & round about
 watched flock of mall, very tame, birds
 which I believe were *Twites* & *water* *birds*
 of cairn. took 3 bottles (2 species) for
 O'Mahony. Collected mosses (on cliffs above
 L. Bicken & several which form the summit
 sword of Galtymore much more than the
 flowering plants referred to by Hart) for
 Miss Thomson & Mr. Bradshaw.

